DOCUMENT RESUME

ED 112 706 HE 005 940

AUTHOR	Foster, Penny; And Others
TITLE	Graduate Science Education: Student Support and Postdoctorals, Fall 1973. Surveys of Science Resources Series. No. NSF-74-318.
INSTITUTION	National Science Foundation, Washington, D.C. Div. of Science Resources Studies.
REPORT NO	NSF-74-318
PUB DATE	May 75
NOTE	209p.
AVAILABLE FROM	Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402 (Stock Number 038-000-00239-4, $2.15)
EDRS PRICE	MF-$0.76 HC-$10.78 Plus Postage
DESCRIPTORS	Educational Research; Educational Trends; Engineering Education; Fellowships; *Graduate Students; *Graduate Study; *Higher Education; Medical Education; National Surveys; Part Time Students; *Post Doctoral Education; Private Colleges; Public Schools; *Science Education; Student Characteristics
IDENTIFIERS	*Student Financial Aid

ABSTRACT

A survey launched in 1972 to continue to provide a national data base on financial aid to graduate students in sciences and engineering yielded statistics based on a 100 percent response rate from 6,559 master's and doctorate departments in 339 institutions awarding science and engineering doctorate degrees, including 104 separate medical schools. Characteristics of graduate enrollment examined were enrollment status (full- and part-time), distribution among fields of science, level of study, citizenship, control of institution (public or private), sex of students, type and sources of major support. Postdoctoral utilization by field of science was examined in terms of type and source of support. Trend data for the period 1967-73 were derived by linking the 1972-73 data to statistics provided for 1967-71 on National Science Foundation traineeship applications. Findings include these: In 1973 doctorate-granting institutions enrolled 218,000 full- and part-time students, with full-time enrollment (164,300) down 3 percent from 1972 and part-time enrollment up 4 percent. Decline in full-time enrollment since 1967 was 5 percent, with students dependent on federal support down 40 percent. Graduate departments utilized 16,400 postdoctoral appointees in 1973 (a rise of 31 percent from 1967 to 1972), 69 percent of whom received federal support. Detailed statistical tables are included. (JT)

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GRADUATE SCIENCE EDUCATION
Student Support and Postdoctorals

HE005940

FALL 1973

SURVEYS OF SCIENCE RESOURCES SERIES
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FOREWORD

The issues and problems surrounding graduate education in the United States have been the subject of much public attention in recent years. Today, discussion centers around such aspects as supply and demand, utilization of graduates in areas of social need, productivity, and barriers to the entry of women and minorities. Evaluation of these issues has taken place at the same time that a number of social and economic forces have emerged that significantly affect graduate education. Student attitudes and demands changed as the labor market for highly educated persons tightened in several scientific disciplines. Declining rates of enrollment confronted universities as they faced financial distress caused by inflation.

Federal policy concerning the support of graduate students also shifted. Federal aid to students and programs for the general support of institutions has been reduced in light of changing national priorities for resources. Among Federal agency programs affected by the shifts in funding were student aid under the Office of Education's National Defense Education Act, the National Science Foundation's and the National Aeronautics and Space Administration's traineeship program.

The Survey of Graduate Science Student Support and Postdoctorals, the subject of this report, is the single source of national statistics on financial aid to graduate students in the sciences and engineering. This survey was launched in 1972 to continue to provide a national data base formerly supplied on forms submitted by institutions applying for support under the NSF traineeship program. Through analysis of the data, a picture is obtained of the impacts of changes in Federal policy on graduate enrollment as they interact with other socioeconomic factors.

Every institution with a doctorate program in science or engineering was surveyed in both 1972 and 1973, and every institution responded in both years. The National Science Foundation is grateful to the graduate deans and their department chairmen for the success of this data-collection effort. The results of the 1973 survey have appeared in three prior publications, as listed in the technical notes in appendix I, and have been made available to each respondent for use in the planning of future resource allocations within institutions of higher education.

The report was prepared in the Division of Science Resources Studies, Charles E. Falk, Director.

H. Guyford Stever, Director
National Science Foundation

May 1975

general notes

The statistical coverage of graduate enrollment and postdoctorals in this report pertains to doctorate-granting institutions only, including their medical school components, and is limited to the sciences and engineering. The term "science" in this report is understood to include engineering. Where the term "graduate enrollment" is used, it is understood to refer to the total of all full- and part-time science students enrolled for advanced degrees; candidates for first-professional degrees, including the M.D. and D.D.S., were excluded.

Fall 1973 statistics were provided by 6,559 master's and doctorate-level departments within 339 institutions of higher education. Trend data for the period 1967-73 were derived by means of an indexing method which linked the 1972 and 1973 survey data to statistics provided for 1967-71 on NSF traineeship applications.

The term "matched" departments refers to the 4,112 departments that provided survey data in both 1972 and 1973.

Details shown in statistical tables may not add to totals because of rounding.

acknowledgments

This report was prepared in the Universities and Nonprofit Institutions Studies Group by Penny D. Foster, Associate Study Director, with the assistance of Phillip Neal. Richard M. Berry, Study Director, supervised the preparation of the report, and William L. Stewart, Head of the R&D Economic Studies Section, provided guidance and review. The assistance of graduate deans who coordinated the institutional responses and science department chairmen who supplied the data at science Ph.D.-granting institutions is gratefully acknowledged.

CONTENTS

Page

HIGHLIGHTS vi

INTRODUCTION vii

Section 1. Trends in Graduate Enrollment in Science and Engineering 1

General Characteristics, 1972 to 1973 1

Full-Time Graduate Students 2

Source of Major Support 4
Type of Major Support 5
Level of Study 7
Citizenship 7
Sex of Graduate Students 8
Type of Institution 9
Level of Department 10
Graduate Departments in Medical Schools 10

Section 2. Fall 1973 Characteristics 12

Graduate Enrollment 12

Full-Time Graduate Students 15

Source of Major Support 15
Type of Major Support 17
Citizenship 17
Sex of Graduate Students 18
Graduate Departments in Medical Schools 21

Section 3. Postdoctorals 22

Trends in Postdoctoral Utilization in Science and Engineering 22

Comparison with Research Assistantship Utilization 22

General Characteristics, Fall 1973 23

APPENDIXES

I. Technical Notes 25

General Methodology 25

Assessment of Coverage, Consistency of Reporting, and Methodology of 1973 Survey: the Reliability and Validity Survey 25

II. Classification of Institutions in Survey 46

III. Detailed Statistical Tables[1] 51

IV. Instructions and Consolidated Departmental Data Sheets 54

[1] See note on p. 24.

HIGHLIGHTS

GRADUATE ENROLLMENT AND SOURCES OF SUPPORT

- In fall 1973 doctorate-granting institutions enrolled almost 218,000 full- and part-time graduate students in the sciences and engineering, representing a drop of 1 percent from the previous year and continuing the downward trend that began in 1970. Every area of science showed effects of this decrease except the life sciences and psychology, both of which went up 2 percent.

- Full-time enrollment which accounted for 164,300 students, went down almost 3 percent from 1972 to 1973, while part-time enrollment went up 4 percent. This shift to part-time graduate study indicates a growing dependence by students upon employment in order to complete their graduate education.

- Over a 7-year time span, full-time graduate enrollment showed an overall decline of 5 percent from its 1967 base, with the students dependent on Federal support declining by 40 percent during this period. While Federal assistance was on the decline, both institutional and self-support were on the increase.

- The number of students dependent upon Federal fellowships and traineeships declined 22 percent between 1972 and 1973, while institutionally supported fellows-trainees went up by 15 percent. Research assistants dependent on Federal support also declined, but by only 2 percent. This decline was offset by increases in institutional and other support of 8 percent and 10 percent, respectively.

- The foreign graduate student population which amounted to 30,800 full-time students in 1973 continued the downward trend noted in previous years. Psychology was the only area of science to show an increase in foreign students between 1972 and 1973.

POSTDOCTORAL UTILIZATION AND SUPPORT

- Science and engineering graduate departments utilized 16,400 postdoctoral appointees in 1973, 69 percent of whom received some form of Federal support. When examined in terms of change since 1967, the number of postdoctorals rose 31 percent by 1972, but a 6-percent drop was reported between 1972-73. This change in direction may be influenced by lower unemployment rates for doctoral scientists and engineers in 1973, since postdoctoral appointments are considered to be temporary, short-term employment for recent Ph.D. graduates.

INTRODUCTION

Beginning in 1965 the Graduate Traineeship Program of the National Science Foundation required that institutions submit application forms containing detailed statistics on the types and sources of support for graduate science students, as well as selected information on faculty and postdoctorals. Since 1972, after the general program was phased out and traineeship applications for support across all fields of science were no longer accepted, the Division of Science Resources Studies initiated a survey program to preserve the time series, and coverage has been expanded to cover all graduate science departments.

When the National Institutes of Health became a partner in the survey in 1973, coverage was again expanded to include all graduate departments in the clinical and medical sciences, as listed in the 1973-74 Directory of American Medical Education of the Association of American Medical Colleges. Results of the 1973 survey represent responses from 6,559 master's and doctorate departments in 339 institutions awarding science doctorate degrees, including 104 separate medical schools. See technical notes (table I-14) for department titles that were aggregated into science and engineering disciplines.

The 100-percent institutional response rate attained in both 1972 and 1973 was indicative of the intense academic interest in recent national issues concerning graduate education, and particularly in the use of statistics to examine these issues by research specialists and analysts. A ranking of all the institutions in terms of their total graduate enrollment is shown in the technical notes (table I-15).

Forms were mailed in mid-November 1973 to all graduate deans, or to the respondent named on the 1972 return. Preliminary results based on responses from 3,374 graduate departments were published in a *Science Resources Studies Highlights* in July 1974; the final statistical tables were released in October 1974 and are available upon request.[1]

Characteristics of graduate enrollment examined in this report are as follows: Enrollment status (full- and part-time); distribution among fields of science; level of study (first-year or beyond-first-year); citizenship (U.S. and foreign); control of institution (public or private); and sex of graduate students. Data on types and sources of major support were provided for full-time students only. Postdoctoral utilization by field of science was examined in terms of type and source of support and year of Ph.D. Detailed statistical breakdowns were available on a 2-year basis for every item that appeared on the questionnaire in both 1972 and 1973.[2]

The statistics presented in this report were derived from two separate data-collection efforts: (1) Applications by department chairmen for NSF graduate traineeships from 1967 through 1971; and (2) statistical surveys conducted in 1972 and 1973 by NSF to continue the series with broader coverage of departments. Because of the shifting size of the universe from which these data were extracted, a method was devised to link the two data bases to produce longer term trend analyses. The applications for traineeships came from a different number of departments and institutions each year, so that absolute numbers were not available to provide national science and engineering enrollment levels. Similarly, each of the surveys of 1972 and 1973 was sent to an expanded universe of departments; this increase in coverage each year also precluded the formation of national totals. Therefore, a method was devised to examine the responses from departments that reported consistently for three or four years. This "matching" process enabled NSF to examine short-term trends, which then became the basis for construction of an index, using 1967 as the base year.[3]

Greater detail is available for the most recent period, 1972 to 1973, as every comparable item on the questionnaire was tabulated on a matched basis; e.g., enrollment status (full- and part-time); level of study (first-year and beyond-first-year); citizenship (U.S. citizens and foreign students); types and sources of support of full-time students; sex of full-time students; and the sources of support of postdoctorals. All of these items have been tabulated by field and area of science.

[1] See National Science Foundation, *Science Resources Studies Highlights*, "1973 Graduate Science Enrollment Down Another 2 Percent" (NSF 74-308), July 30, 1974, and *Detailed Statistical Tables, Graduate Science Education: Student Support and Postdoctorals, Fall 1973* (NSF 74-318-A), (Washington, D.C. 20550, 1974).

[2] See appendix IV for examples of 1972 and 1973 Departmental Data Sheets.

[3] See technical notes, appendix I, for the number of institutions and departments, by level, covered in the trend data for 1967-73.

Section 1. TRENDS IN GRADUATE ENROLLMENT IN SCIENCE AND ENGINEERING

GENERAL CHARACTERISTICS, 197[illegible] to 1973

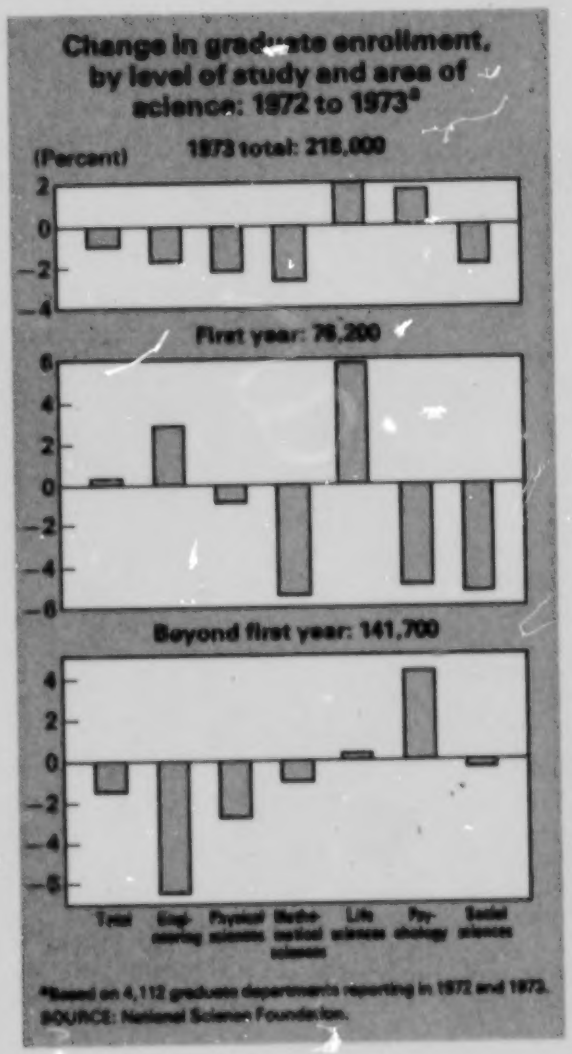
Institutions granting science Ph.D.'s reported that total graduate science enrollment declined 1 percent between 1972 and 1973, a trend that began in fall 1970. Gains in enrollment were registered in only two areas, the life sciences and psychology. This increase in interest in the life sciences, particularly in the biological sciences, was attributed by some survey respondents to its growing appeal among young adults as a means of satisfying their career aspirations. Also, many unsuccessful medical school applicants continued their education in a related field of graduate study to upgrade their academic credentials or to gain admission into an M.D. program in the future. Psychology, a professional field where advanced degrees are becoming more important and where public demand for counseling and guidance services is increasing, is attracting more undergraduate majors than ever before.[a]

[a] *The Chronicle of Higher Education*, "Will Success Spoil Psychology," September 30, 1974.

Percent change in graduate enrollment, by area of science and enrollment status: 1972 to 1973

Area of science	Total	Full time	Part time
Total, all areas	-1.0	-2.5	4.2
Engineering	-1.8	-3.3	.8
Physical sciences	-2.3	-3.5	6.2
Mathematical sciences	-2.7	-4.5	1.8
Life sciences	2.0	-.2	17.7
Psychology	1.7	-1.9	21.7
Social sciences	-2.0	-2.7	-.1

NOTE: Based on 4,112 graduate departments reporting in 1972 and 1973.



ENROLLMENT STATUS

Every area of science lost some full-time students between 1972 and 1973, at the same time that gains were being registered in virtually every area in part-time enrollment. Increases in part-time enrollment ranged from 1 percent in engineering to 22 percent in psychology, with the social sciences the only area to register a slight loss.

LEVEL OF STUDY

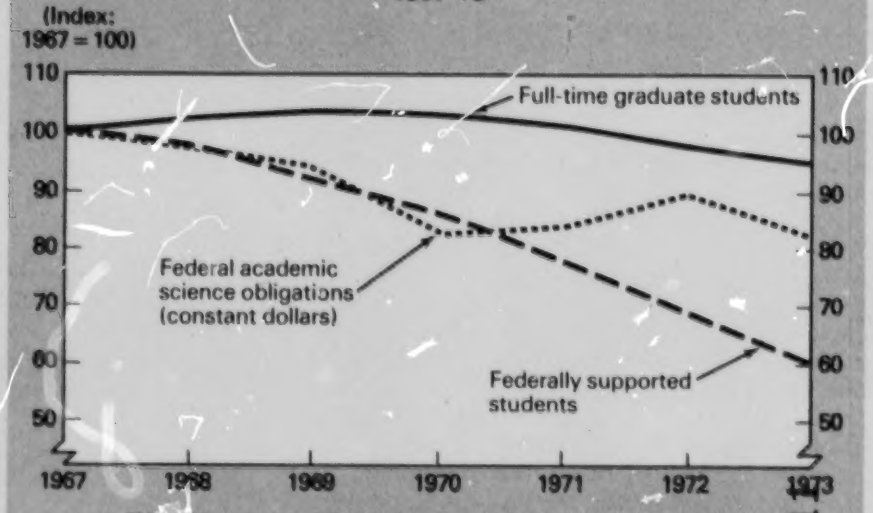
Enrollment in the first year of graduate study was up slightly from 1972 to 1973, representing a reversal which may have been influenced by changing attitudes on the part of some students who were previously "turned off" by the prospect of professional careers in certain fields of science and technology. In certain locales, university administrators reported that economic factors could be playing a major role in this turnaround, i.e., a shrinking job market for bachelor's degree holders in science-oriented positions could be a large inducement for students to stay in graduate school and obtain a more marketable degree. For instance, first-year engineering enrollment went up 5 percent from 1972 to 1973 and first-year enrollment in the life sciences went up 6 percent. Enrollment of first-year students in all other areas decreased, at rates ranging from 1 percent in the physical sciences to almost 6 percent in the mathematical sciences.

FULL-TIME GRADUATE STUDENTS

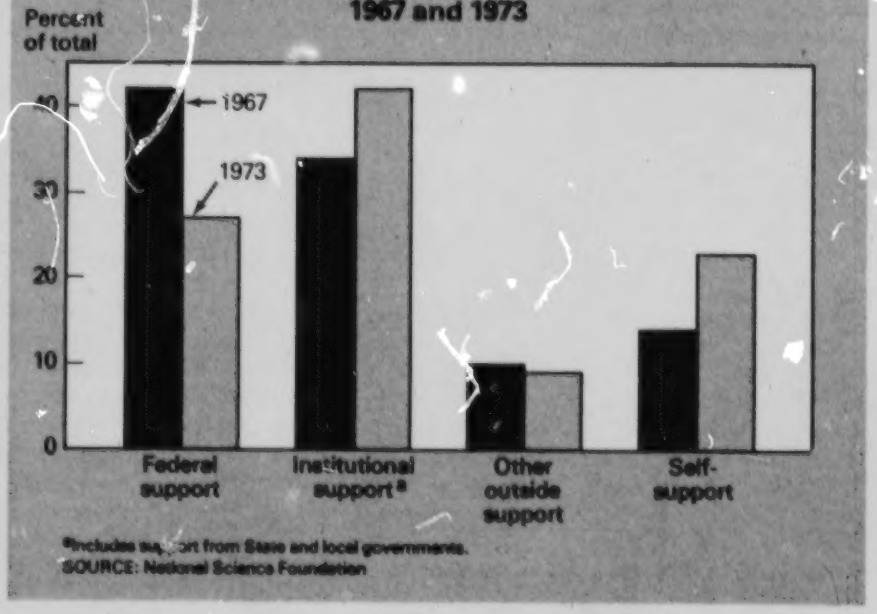
LONG-TERM TRENDS

An overall decline of 5 percent in full-time enrollment in the sciences and engineering occurred during the period 1967-73. In 1973 federally supported students enrolled on a full-time basis represented only about 60 percent the level supported in 1967, while Federal academic science obligations to universities and colleges were 18 percent lower. Federal agencies provided the major source of support for only 27 percent of the 164,300 full-time students enrolled in graduate science departments in 1973, compared with 42 percent in 1967. Support from the institutions themselves, including State and local government funds, provided the principal source for 42 percent of all full-time graduate students in 1973, up considerably from the 34-percent share provided in 1967.

Federally supported graduate science and engineering students and Federal academic science obligations: 1967-73



Distribution of full-time graduate science and engineering students, by source of major support: 1967 and 1973



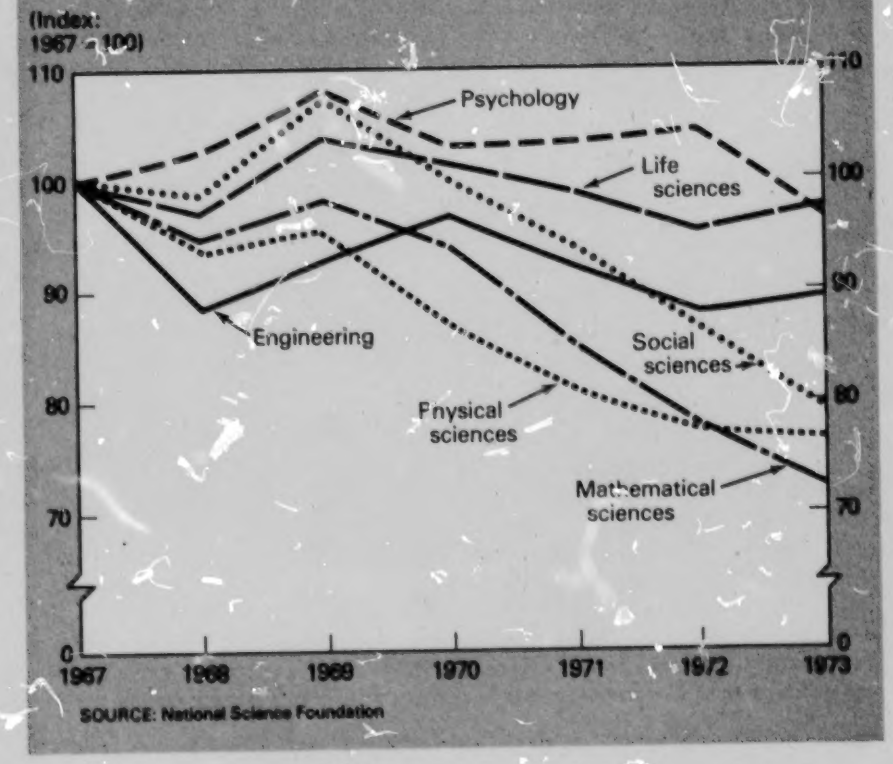
*Includes support from State and local governments.
SOURCE: National Science Foundation

Trends in the number of first-year entrants into major areas of science over the 1967-73 period are shown in the chart. While recognizing that a significant number of these first-year students will receive terminal master's degrees either by design or as the result of economic factors at the time of decision, these data are considered by many to be the best indicator of the future supply of Ph.D.'s. Data on 1973 doctorate-degree recipients from the Survey of Earned Doctorates that is conducted annually by the Commission on Human Resources of the National Research Council indicate that the median time lapse from year of baccalaureate to year of doctorate in all science fields was 7.3 years.[5] During this time span, students frequently change their career aspirations and drop out of graduate school, so that first-year enrollment as a measure of future Ph.D. output must be utilized with caution.

As shown graphically, no area of science enrolled a higher level of first-year students in 1973 than in 1967. First-year enrollment was on the increase from 1967 to 1969 in only three areas of science: psychology, life, and the social sciences. By 1973 psychology and life science majors were 3 percent below their 1967 level; first-year entrants into the social sciences were 20 percent below. Life science and engineering entrants appear to be reversing this trend; these were the only areas to show an upward swing between 1972 and 1973.

[5] See National Academy of Sciences, *Summary Report: 1973 Doctorate Recipients from United States Universities*, (Washington, D.C., May 1974), table 2.

Change in first-year full-time enrollment, by area of science: 1967-73



SOURCE: National Science Foundation

Every item on the 1973 questionnaire was compared with its 1972 counterpart for departments that reported in both surveys.[6] In this set of matched departments, both sources and types of major support were analyzed according to fields of science, type of control of the institution, level of study, and citizenship.

Source of Major Support

The shift in funding patterns described earlier was apparent in both the long- and short-term periods analyzed. While Federal support to students dropped by 13 percent from 1972 to 1973, the institutions themselves, as well as State and local governments, increased their support by almost 6 percent in every area of science. Other outside support—from industrial, private, and foreign sources—rose over 2 percent. For the first time in several years, however, the number of self-supported students declined. Both public and private institutions were affected by the slackening of Federal support, with the former losing slightly more in percentage terms than the latter. Therefore, compared to public institutions, private institutions were evidently in a better short-term financial position to increase their contribution to student support from endowment and other non-Federal sources. In addition, enrollment of self-supported students dropped more than twice as fast in public as in private universities.

[6] See appendix IV for examples of both forms.

Percent change in full-time graduate enrollment in matched departments, by source of major support and area of science: 1972 to 1973

Source of major support	Total	Engineering	Physical sciences	Mathematical sciences	Life sciences	Psychology	Social sciences
Total	-2.5	-3.3	-3.5	-4.5	-.2	-1.9	-2.7
U.S. Government	-13.2	-8.8	-12.5	-19.4	-15.0	-15.4	-15.3
Institutional support	5.6	5.7	3.5	2.3	8.8	7.9	5.7
Other outside support	2.4	7.9	-6.3	13.1	7.9	4.4	-8.0
Self-support	-4.5	-10.2	-4.9	-14.0	4.7	-.2	-4.5

NOTE: Based on 4,112 graduate departments reporting in 1972 and 1973.

The ability of institutions, especially private universities, to continue to increase student aid from their own assets without large increases in tuition appears to be limited. The value of endowments and the amount of private contributions are influenced significantly by market conditions, which, of course, have been declining. Since the institutions also are confronted with adverse financial conditions due to declining rates of enrollment and rising costs due to inflation, there are indications that tuition for admission to graduate school may increase significantly in the near future.

Percent change in full-time graduate enrollment in matched departments, by source of major support and control of institution: 1972 to 1973

Source of major support	Total	Control of institution: Public	Control of institution: Private
Total	-2.5	-2.7	-1.8
U.S. Government	-13.2	-13.5	-12.5
Institutional support	5.6	4.4	9.9
Other outside support	2.4	4.8	-2.0
Self-support	-4.5	-5.3	-2.0

NOTE: Based on 4,112 graduate departments reporting in 1972 and 1973.

Type of Major Support

Four mechanisms of support were itemized on the questionnaire: fellowships-traineeships, research assistantships, teaching assistantships, and "other" types. For definitions of each mechanism, refer to the technical notes.

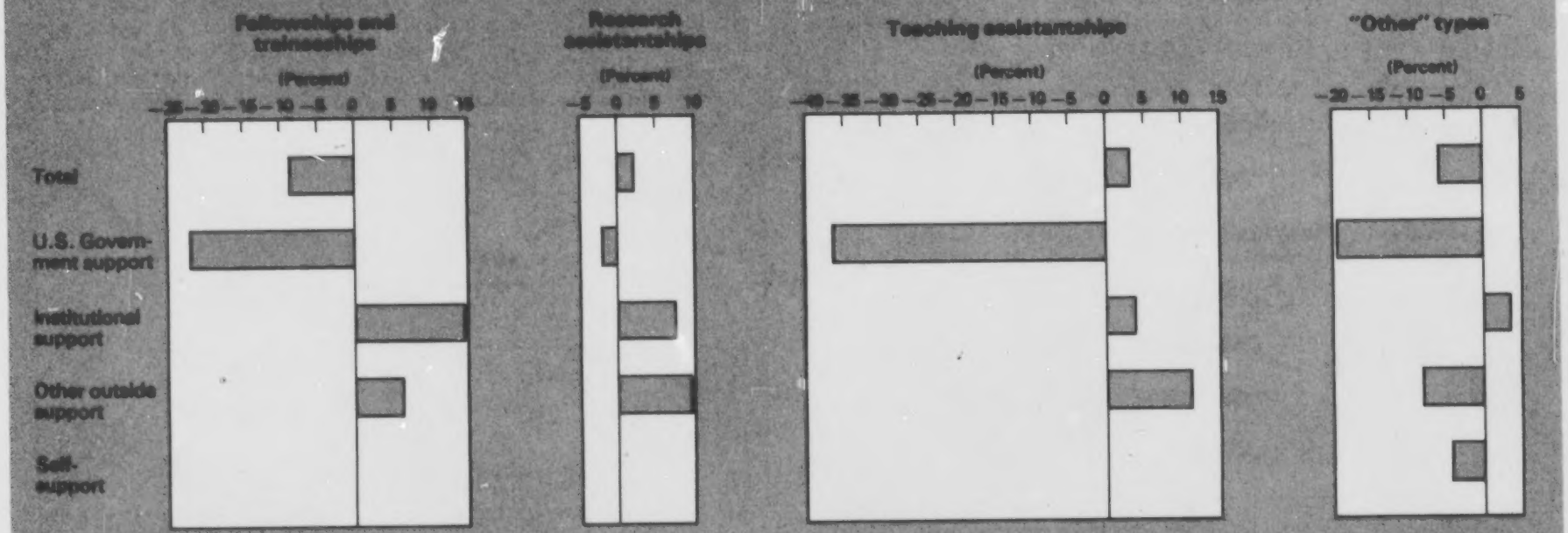
Each of the four types of support mechanisms utilized by full-time students was affected by the curtailment of Federal programs, with research assistantships being the least affected. Increases in institutional support also influenced each category, but primarily those holding fellowships and traineeships. Other sources of outside support, such as industry and private foundations, also led to increases in all mechanisms with the exception of "other" types.

CONTROL OF INSTITUTIONS

When support mechanisms were examined in terms of the control of the institution in which students were enrolled, fellowship-traineeship holders in public universities dropped at almost twice the rate as those in private schools. Research assistants fared about the same in both sectors, while teaching assistantships increased at over twice the rate in private as public institutions.

- These changes were examined in each area of science, where it was found that fellowship-traineeship support in public universities dropped at the highest rate in the physical sciences, and at the lowest rate in the mathematical sciences. The drop in private university support to fellows-trainees was also highest in the physical sciences, but lowest in the social sciences.

Change in full-time graduate science and engineering enrollment, by source and type of major support: 1972 to 1973[a]



[a]Based on 4,112 graduate departments reporting in 1972 and 1973.
SOURCE: National Science Foundation

- Research assistantship support was up in both public and private sectors as stated earlier, but both the physical and mathematical sciences lost students dependent on this mechanism, while all other sciences gained.

- Each area of science reflected higher levels of teaching assistantship support, with private universities boosting this support at the highest rate in all fields.

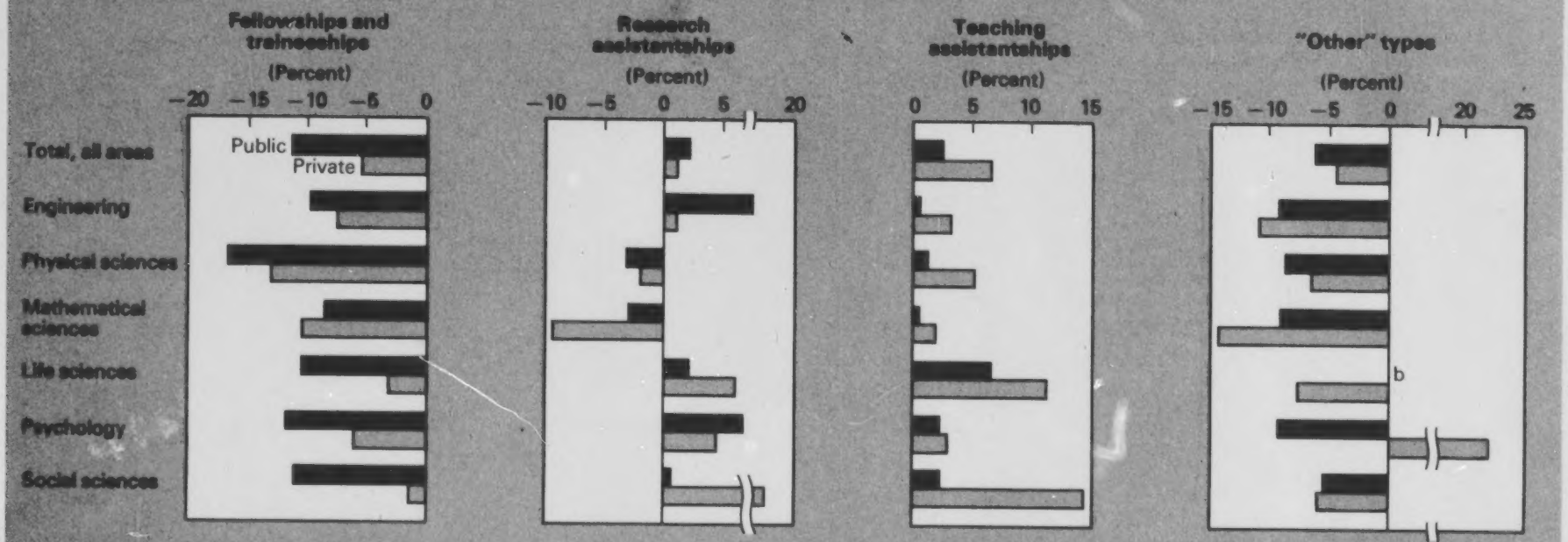
- Neither the public nor the private sector saw an increase in "other" types of support, primarily self-support. In this group, reductions were felt in every area of science except psychology, where a gain of over 20 percent was registered in institutions under private control.

Percent change in full-time graduate enrollment in matched departments, by type of major support and control of institution: 1972 to 1973

Type of major support	Total	Control of institution: Public	Private
Total	-2.5	-2.7	-1.8
Fellowships and traineeships	-8.9	-11.3	-5.6
Research assistantships	1.9	2.1	1.1
Teaching assistantships	3.1	2.4	6.5
Other types of support	-5.8	-6.2	-4.6

NOTE; Based on 4,112 graduate departments reporting in 1972 and 1973.

Change in full-time graduate enrollment, by area of science, type of major support, and control of institution: 1972 to 1973[a]



[a]Based on 4,112 graduate departments reporting in 1972 and 1973.
[b]Less than 0.5 percent change.
SOURCE: National Science Foundation

Level of Study

The 1-percent decrease between 1972 and 1973 in numbers of full-time first-year students and the 3-percent decline in those studying beyond their first year were examined in terms of the mechanisms utilized for their support. The increase in first-year research and teaching assistantships partially offset the losses in fellows-trainees and those dependent on "other" mechanisms who entered graduate work for the first time.

Citizenship

The number of foreign graduate students continued to decline, although the rate slowed to about the same as that of U.S. citizens. Unlike U.S. citizens, foreign students actually received more fellowships and traineeships in 1973 than in 1972, and fewer research assistantships. However, the number who were dependent on "other" mechanisms—primarily self-support—dropped at a faster rate than did U.S. citizens.

Psychology was the only area of science to show an increase in foreign student enrollment. All other areas showed decreases at approximately the same relative level as that of U.S. citizens. However, full-time enrollment of U.S. citizens in the life sciences remained steady, while foreign student enrollment dropped 2 percent.

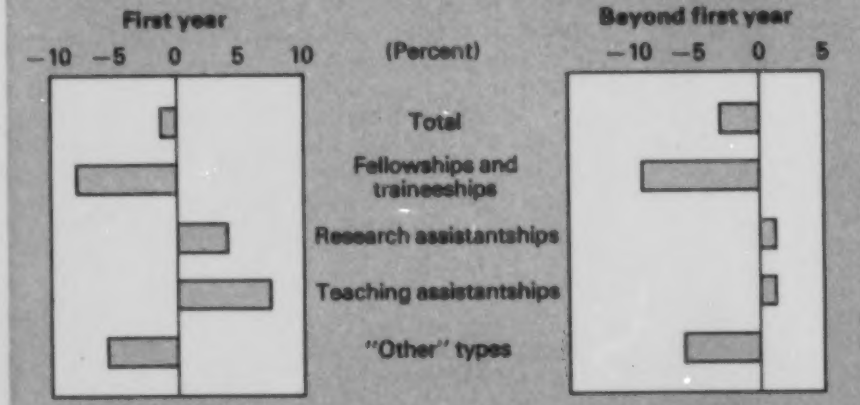
Percent change in full-time graduate enrollment in matched departments, by area of science and citizenship: 1972 to 1973

Area of science	Total	U.S. citizens	Foreign students
Total, all areas	-2.5	-2.6	-2.0
Engineering	-3.3	-3.1	-3.5
Physical sciences	-3.5	-3.6	-2.8
Mathematical sciences	-4.5	-4.8	-3.2
Life sciences	-.2	.1	-2.0
Psychology	-1.9	-3.4	41.9
Social sciences	-2.7	-2.9	-1.5

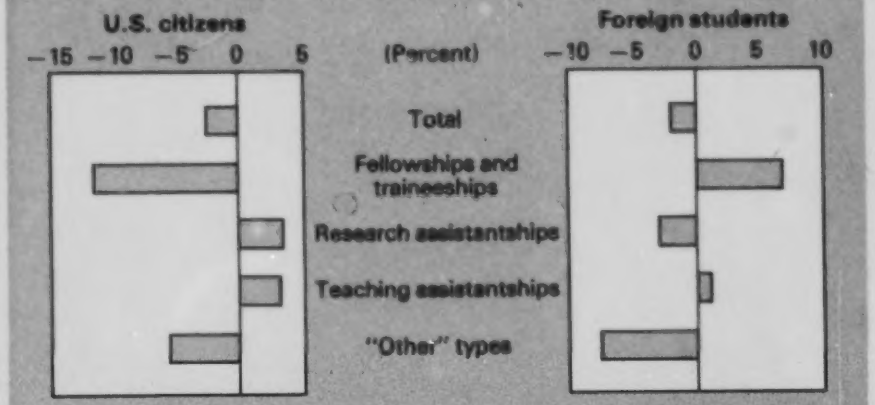
NOTE: Based on 4,112 graduate departments reporting in 1972 and 1973.

Some institutions have restricted enrollment of foreign graduate students in order to admit more U.S. citizens. Also, due to tight labor market conditions, Federal visa restrictions were recently imposed that require proof of the foreign student's financial means to pay for the entire period of study.

Change in full-time graduate science and engineering enrollment, by level of study and type of major support: 1972 to 1973[a]



Change in full-time graduate science and engineering enrollment, by citizenship and type of major support: 1972 to 1973[a]

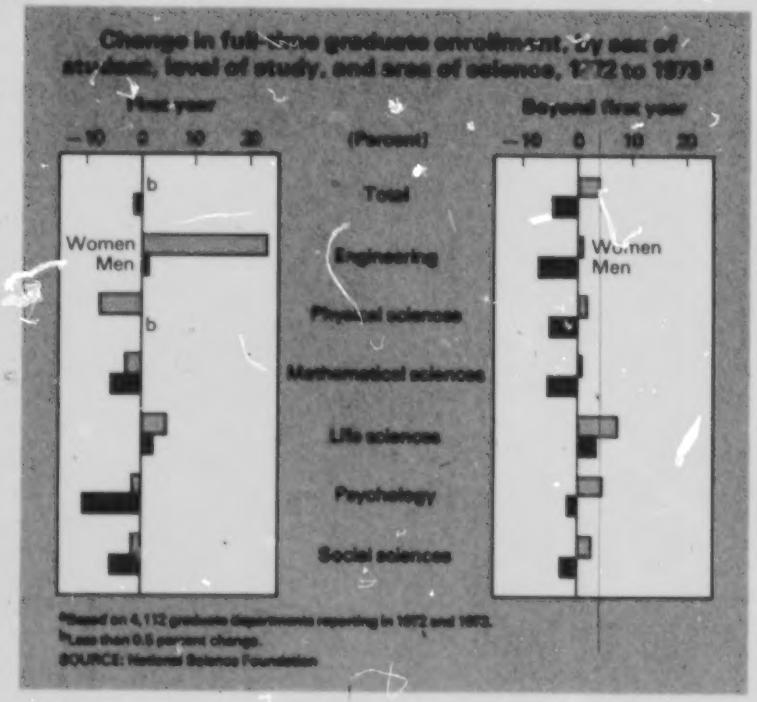


[a]Based on 4,112 graduate departments reporting in 1972 and 1973.
SOURCE: National Science Foundation

Sex of Graduate Students

Separate statistics on major sources of support and on level of graduate study were collected in this survey for men and women enrolled on a full-time basis. From 1972 to 1973, the enrollment of male full-time graduate science students declined 4 percent, dropping in every area of science. The number of women graduate students, on the other hand, increased in engineering, psychology, and the life and social sciences. Declines in the rate of enrollment of women occurred in only two areas, the physical and mathematical sciences.

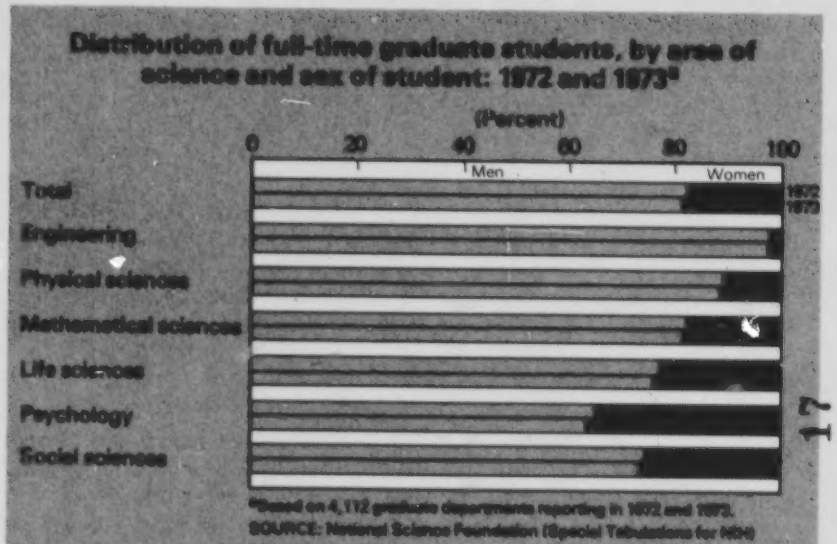
First-year enrollment of male graduate students increased slightly in engineering and the life sciences and remained stable in the physical sciences, reflecting better prospects for job opportunities in these fields. The number of male students attending beyond their first year dropped in every area except the life sciences. Women first-year students entered graduate engineering studies at the highest rate experienced to date, over 20 percent more in 1973 than in 1972, but they still accounted for less than 5 percent of all engineering graduate students. In every area of science, the proportion of women graduate students has risen slightly over 1972, with the greatest proportional increase occurring in psychology.



Change in full-time graduate enrollment, by sex of student, level of study, and area of science, 1972 to 1973[a]

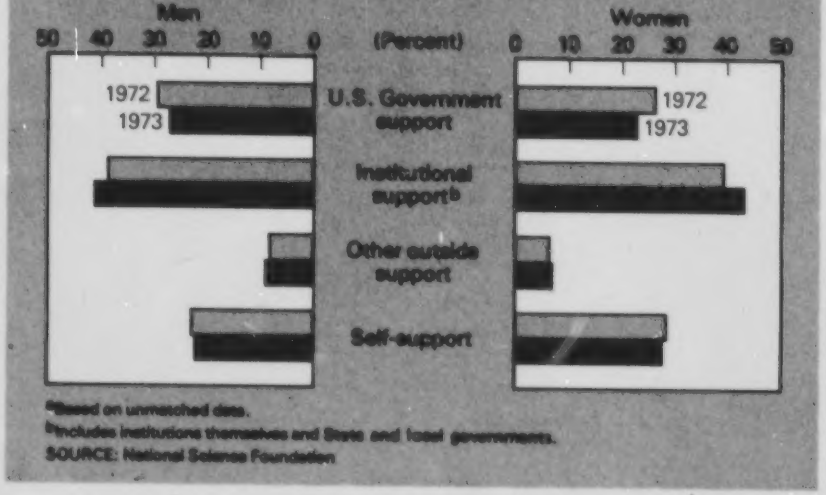
[a]Based on 4,112 graduate departments reporting in 1972 and 1973.
[b]Less than 0.5 percent change.

The general drop in federally supported full-time students affected men and women equally between 1972 and 1973 and both received increased institutional support. The distribution of all sources of support remained virtually the same for both men and women in both years.



Distribution of full-time graduate students, by area of science and sex of student: 1972 and 1973[a]

[a]Based on 4,112 graduate departments reporting in 1972 and 1973.



Distribution of full-time graduate students in science and engineering, by sex of student, and source of major support: 1972 and 1973[a]

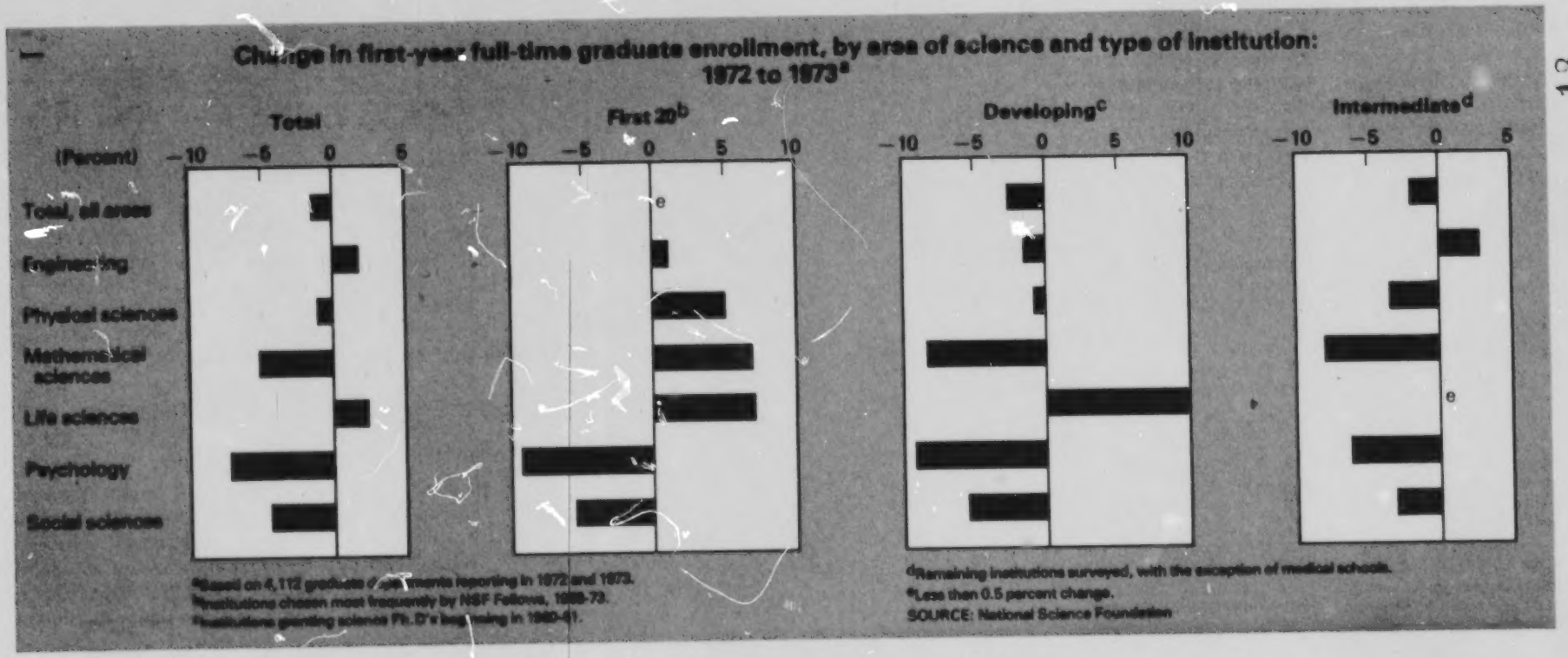
[a]Based on unmatched data.
[b]Includes institutions themselves and State and local governments.

Type of Institution

As in all previous reports, graduate institutions were classified into four major categories: (1) The "first 20," referring to those selected by the largest number of graduate student applicants for NSF fellowships during 1968-73; (2) the 85 "developing" institutions, those that granted science Ph.D.'s for the first time beginning in 1960-61; (3) the 104 medical schools granting doctorates in science; and (4) all the 130 remaining institutions, classified for this purpose as "intermediate." Full-time enrollment was calculated for each of these categories, by area of science and level of study. Because graduate students enrolled in medical schools accounted for only 7,400 out of the 147,300 full-time students in matched departments, or only 5 percent, this category does not appear on the accompanying chart. In later surveys, as survey coverage of clinical-medical departments is expanded, data will be analyzed and illustrated more fully.

In 1973 the "first 20" institutions attracted 2 percent fewer full-time students than in 1972, while "developing" institutions enrolled about the same as in 1972, and "intermediates" almost 4 percent less. The first-year segment of enrollment in the "first 20" group actually remained at slightly above the 1972 total, with enrollment gains evident in all areas except psychology and the social sciences.

The drop in first-year full-time enrollment in "developing" schools was offset by a 2-percent increase in the number of students attending beyond their first year. Only the life sciences enrolled more first-year students in 1973 than in 1972 in these developing institutions; all other sciences showed decreases. The "intermediate" institutions enrolled 2 percent fewer first-year students between 1972 and 1973.



Level of Department

The matched doctorate departments enrolled over 141,200 full-time students in 1973, a decrease of 3 percent from the 1972 total; however, master's departments enrolled about 9,800 full-time students, up almost 6 percent from 1972. The decrease in doctorate department enrollment occurred in every area of science; in master's departments, only the physical sciences and psychology showed decreases. The shift in enrollment between doctorate and master's departments is indicative of the growing tendency of students to enroll in fields where less emphasis is placed on Ph.D. degrees for positions after graduation.

Percent change in full-time graduate enrollment in matched departments, by area of science and level of department: 1972 to 1973

Area of science	All graduate departments	Master's	Doctorate
Total, all areas	-2.5	5.8	-3.0
Engineering	-3.3	5.9	-3.8
Physical sciences	-3.5	-3.7	-3.5
Mathematical sciences	-4.5	16.6	-6.3
Life sciences	-.2	2.1	-.3
Psychology	-1.9	-6.8	-1.5
Social sciences	-2.7	10.8	-4.2

NOTE: Based on 4,112 graduate departments reporting in 1972 and 1973.

Graduate Departments in Medical Schools

Because of the expansion of survey coverage between 1972 and 1973, as described in the technical notes, trend data in enrollment and support in the basic and clinical-medical departments can only be based on a limited number of departments for which data were supplied in both years. Graduate enrollment in these matched departments represents only 64 percent of the total reported, and therefore, trends discussed here should be viewed in the light of possible statistical bias due to this undercoverage.

Total graduate enrollment in medical schools increased 3 percent between 1972 and 1973, while enrollment in all graduate institutions combined waned. Full-time enrollment increased at a slightly higher rate than did part time, and students beyond their first year accounted for the major share of the increase.

Graduate enrollment in medical schools, by level of study and enrollment status: 1972 to 1973

Level of study and enrollment status	1972	1973	Percent change
Total	7,905	8,133	2.9
Full time	7,164	7,377	3.0
Part time	741	756	2.0
First year	2,413	2,406	(1)
Full time	2,148	2,169	1.0
Part time	265	237	-10.6
Beyond first year	5,492	5,727	4.3
Full time	5,016	5,208	3.8
Part time	476	519	9.0

NOTE: Matched data represent approximately 64 percent of total graduate enrollment in medical schools for the years 1972 and 1973.
[1] Less than 0.5 percent.

Full-time students relied heavily on institutional and self-support, which increased 27 percent and 20 percent, respectively, from 1972 to 1973. Federally supported students, who accounted for 3,400 of the 7,400 full-time students in matched departments, declined by 12 percent, attributable in large part to the National Institutes of Health (NIH) cutbacks in fellowships and training grants. Between fiscal years 1972 and 1973, NIH obligations were reduced by $41 million; nevertheless, NIH remained the chief Federal agency responsible for support of graduate education in medical schools, providing aid to 54 percent of the students receiving some form of Federal support.[7] Between 1972 and 1973, NIH supported 17 percent fewer full-time graduate students in medical schools.

[7] See National Science Foundation, *Federal Support to Universities, Colleges and Selected Nonprofit Institutions, Fiscal Year 1973* (NSF 75-305) (Washington, D.C. 20402: Supt. of Documents, U.S. Government Printing Office, 1975).

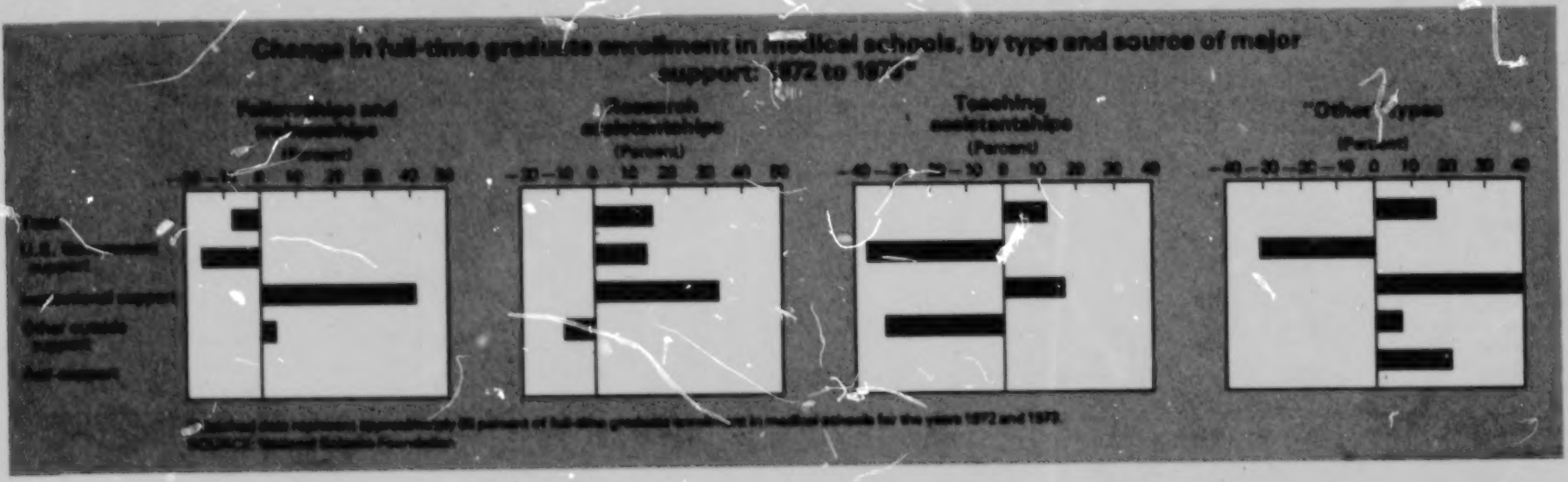
The increase in institutional support affected every mechanism; the decrease in Federal aid affected every mechanism except research assistantships. The net result of the decline in Federal support, offset by an increase in institutional and self-support, was an overall increase in every support mechanism except fellowships-traineeships.

Full-time graduate enrollment in medical schools, by source of major support: 1972 to 1973

Source of major support	1972	1973	Percent change
Total	7,164	7,377	3.0
U.S. Government support	3,889	3,418	-12.1
Institutional support	1,676	2,135	27.4
Other outside support	483	483	0
Self-support	1,116	1,341	20.2

NOTE: Matched data represent approximately 65 percent of the full-time graduate enrollment in medical schools for the years 1972 and 1973.

Change in full-time graduate enrollment in medical schools, by type and source of major support: 1972 to 1973*



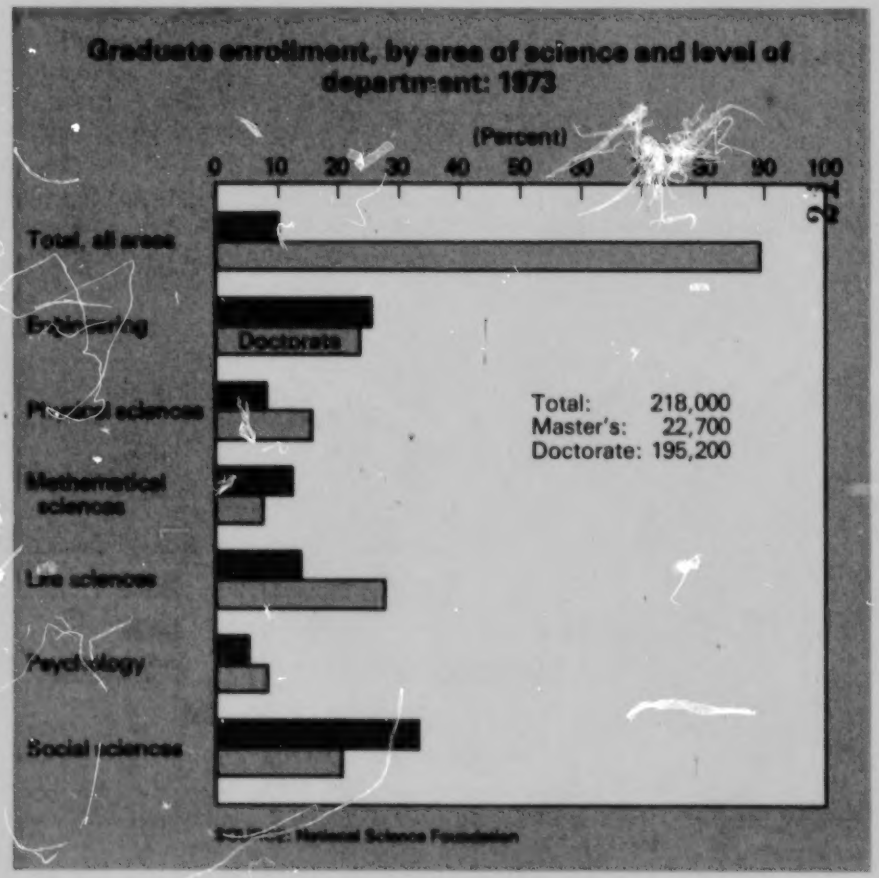
* Matched data represent approximately 65 percent of full-time graduate enrollment in medical schools for the years 1972 and 1973.
SOURCE: National Science Foundation.

GRADUATE ENROLLMENT

The 339 doctorate-granting institutions surveyed in 1973 enrolled almost 218,000 graduate students in 6,559 science departments. Three-fourths of these students attended classes on a full-time basis and almost 90 percent of the total were enrolled in doctorate-level departments. Within departments offering the master's as the highest degree program, a greater proportion of students attended part time, were in their first year of study, and were enrolled in public institutions. Also, students majoring in engineering, and the mathematical and social sciences were more likely to be enrolled in master's departments.

Characteristics of graduate enrollment, by level of department: 1973

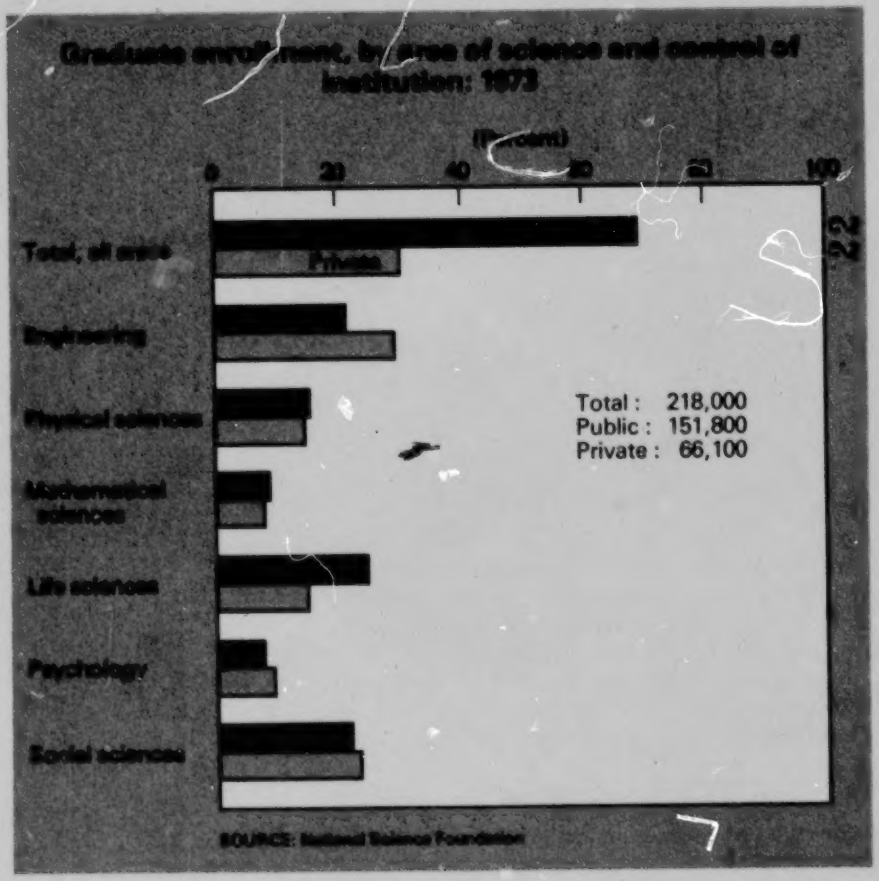
Item	Total		Level of department			
	Number	Percent distribution	Master's	Percent distribution	Doctorate	Percent distribution
Total	217,962	100.0	22,721	100.0	195,241	100.0
Enrollment status:						
Full time	164,318	75.4	12,709	55.9	151,609	77.7
Part time	53,644	24.6	10,012	44.1	43,632	22.3
Level of study:						
First year	276,224	35.0	11,990	52.8	64,234	32.9
Beyond first year	141,738	65.0	10,731	47.2	131,007	67.1
Control of institution:						
Public	151,830	69.7	17,228	75.8	134,602	68.9
Private	66,132	30.3	5,493	24.2	60,639	31.1



Public institutions tended to attract a higher proportion of full-time students than did private institutions. The relative number of first-year students was about the same in both public and private institutions, and a slightly higher percentage of students was enrolled in private doctorate departments than in public ones. Institutions under public control attracted a higher percentage of students in the physical, mathematical, and life sciences; privately controlled institutions enrolled a higher proportion of engineering, psychology, and social science majors.

Characteristics of graduate enrollment, by control of institution: 1973

Item	Total		Control of institution			
	Number	Percent distribution	Public	Percent distribution	Private	Percent distribution
Total	217,962	100.0	151,830	100.0	66,132	100.0
Enrollment status:						
Full time	164,318	75.4	120,072	79.1	44,246	66.9
Part time	53,644	24.6	31,758	20.9	21,886	33.1
Level of study:						
First year	76,224	35.0	53,263	35.1	22,961	34.7
Beyond first year	141,738	65.0	98,567	64.9	43,171	65.3
Level of department:						
Master's	22,721	10.4	17,228	11.3	5,493	8.3
Doctorate	195,241	89.6	134,602	88.7	60,639	91.7

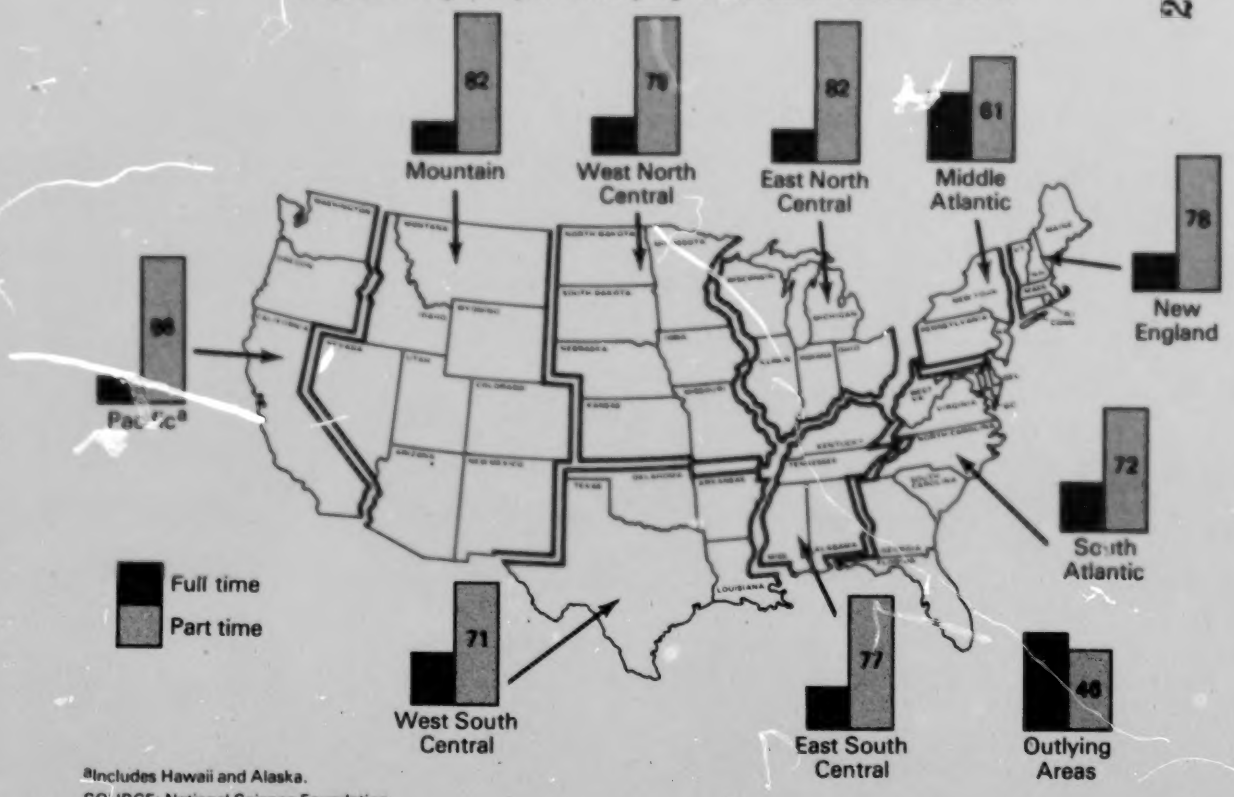


GEOGRAPHIC DISTRIBUTION

The largest number of graduate science students were enrolled in institutions located in the Middle Atlantic division, and accounted for almost 43,800, or 20 percent of the total. Ranked next in size was the East North Central division, with 42,000 students; the Pacific division ranked third with 30,800. The lowest number of graduate students were in the outlying areas, where less than 600 were located.

The highest percentage of full-time graduate students were enrolled in institutions in the Pacific division; the lowest, in the Middle Atlantic.

Geographic distribution of graduate students in science and engineering (In percents) by enrollment status: 1973



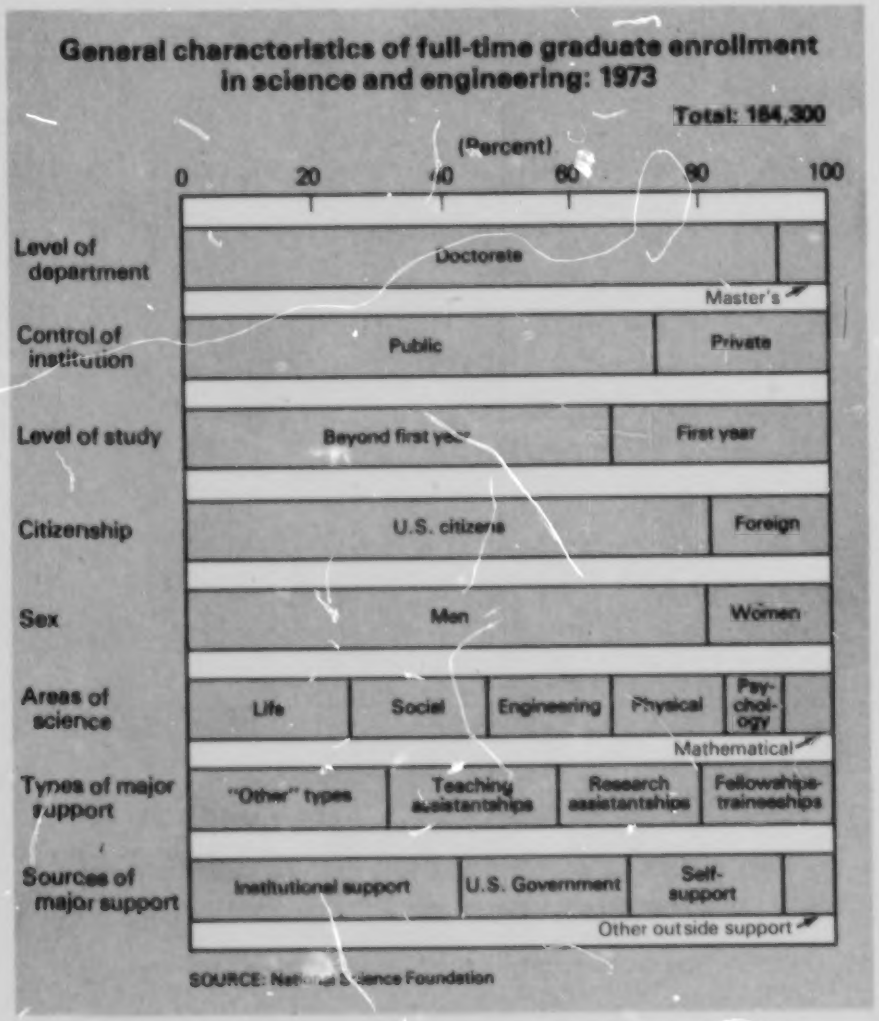
[a]Includes Hawaii and Alaska.

SOURCE: National Science Foundation

FULL-TIME GRADUATE STUDENTS

The characteristics of full-time graduate students remained virtually the same in 1973 as in 1972. The typical student was a male U.S. citizen studying beyond his first year in a public institution at a doctorate level; he was primarily enrolled in a field of study in the life sciences, and received the bulk of his support from his own institution.

General characteristics of full-time graduate enrollment in science and engineering: 1973

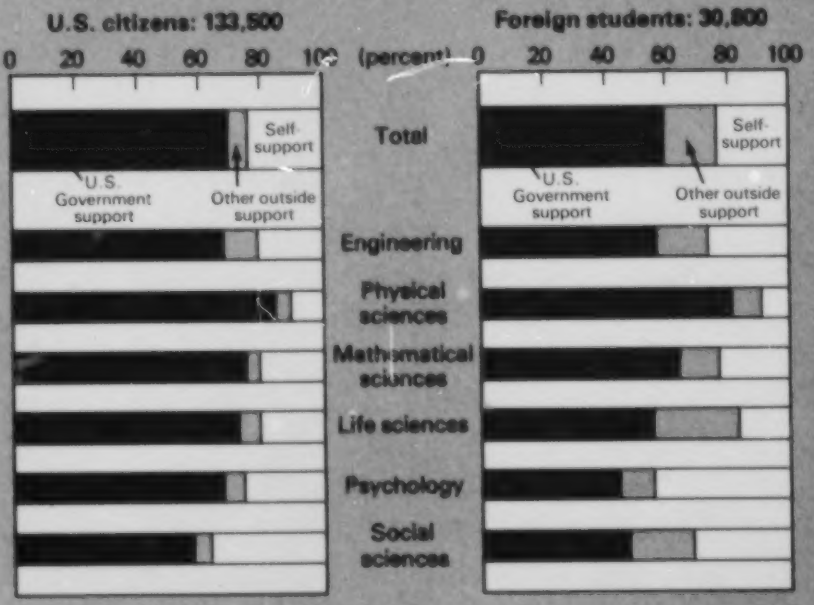


SOURCE: National Science Foundation

Source of Major Support

In 1973, as in other recent years, the dominant role in the support of science and engineering enrollment shifted from the Federal Government to the institutions themselves and to State and local governments. Both foreign students and U.S. citizens relied heavily on such institutional support. Second in importance for both groups was Federal support, closely followed by self-support. The general pattern was maintained in the physical and life sciences, but there were shifts in the utilization of support in all other areas.

Distribution of full-time graduate students, by source of major support, area of science, and citizenship: 1973



SOURCE: National Science Foundation

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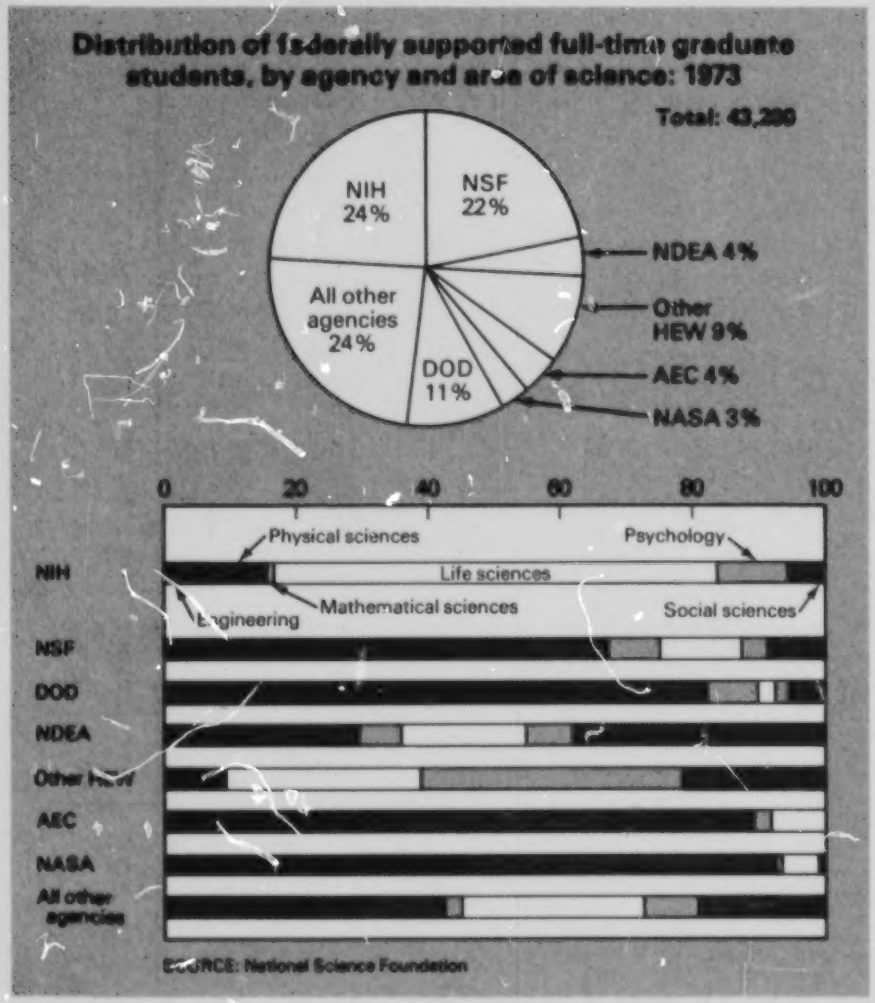
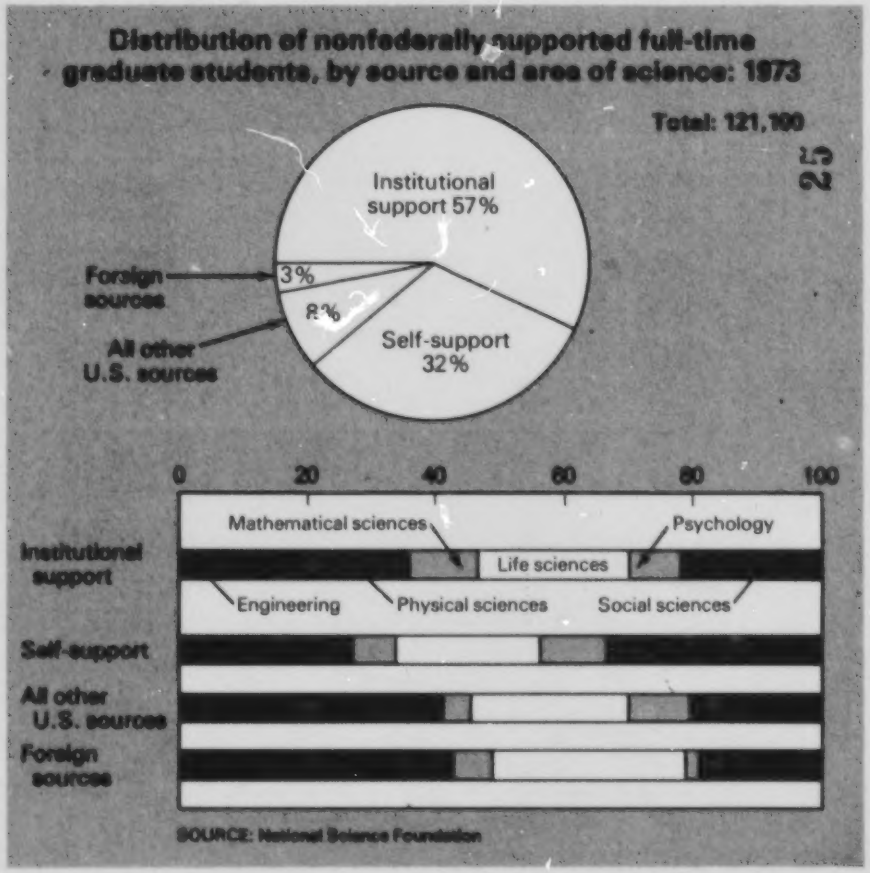
24

Two Federal agencies played major roles in the support of graduate science education by supporting nearly one-half of all the full-time students receiving some form of Federal assistance: NIH, with 24 percent, and the National Science Foundation (NSF), with over 22 percent. These proportions were down slightly from those reported in 1972: 29 percent by NIH and 23 percent by NSF. NIH support continued to be concentrated in the life sciences and NSF, Atomic Energy Commission (AEC), and the National Aeronautics and Space Administration (NASA) in the physical sciences. The Department of Defense (DOD) primarily supported graduate students in engineering.



The proportion of students receiving support from other-than-Federal sources shifted only slightly in 1973 from the prior year. Institutional support went up to 57 percent (from 55 percent) of the non-Federal component with a subsequent drop to 32 percent (from 34 percent) in self-supported students. Institutional support was fairly evenly distributed among all the areas of science except psychology. Self-supported students were concentrated in the social sciences.



Type of Major Support

In 1973 the principal type of support utilized by graduate students was the category "other" mechanisms, composed primarily of support provided by the students themselves; 31 percent relied on their own resources with the help of loans and family assistance. Teaching assistantships were the major category of support of another 26 percent, while research assistantships and fellowships-traineeships supported 22 percent and 21 percent each, respectively. The ranking in importance of the above mechanisms of support held true in public institutions; however, there was a shift in such dependence within private institutions, where over 33 percent of the students received a fellowship or traineeship, "other" mechanisms ranked second, and research and teaching assistantships were the least used mechanisms.

Percent distribution of full-time graduate students, by type of major support and control of institution: 1973

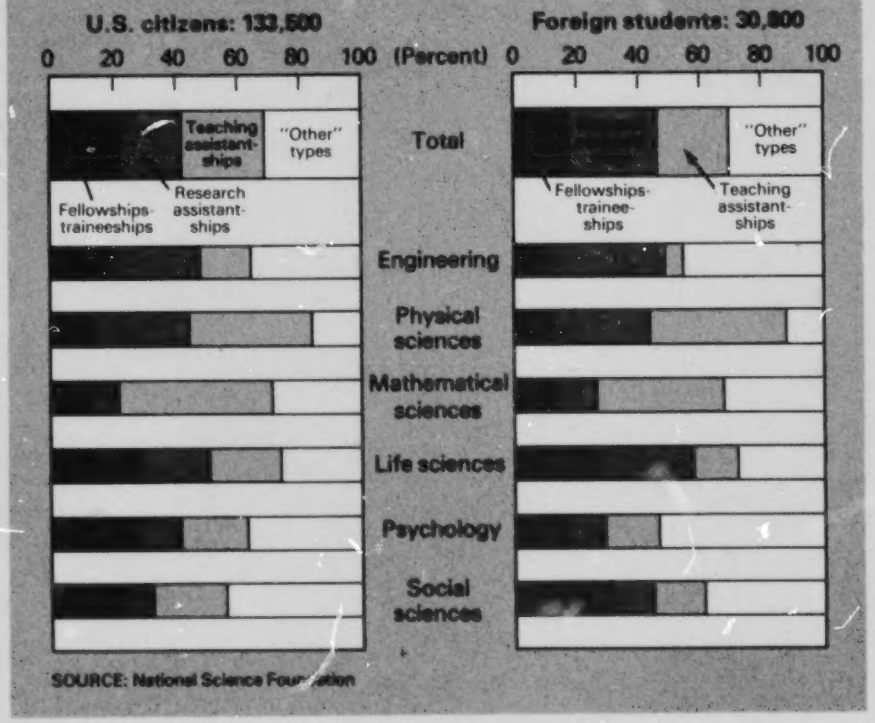
Type of major support	Control of institution	
	Public	Private
Total	100.0	100.0
Fellowships-traineeships	16.2	33.1
Research assistantships	23.0	19.2
Teaching assistantships	29.3	18.7
Other types of support	31.5	29.1

Citizenship

Both U.S. and foreign students relied heavily upon their own resources for support of their graduate education. Of each group, 31 percent depended upon "other" mechanisms for support. For U.S. citizens, however, teaching assistantships ranked next in importance, while research assistantships ranked second for students from foreign countries. Since language ability and good classroom communication are important factors, relatively few foreign students are selected as teaching assistants.

For U.S. citizens relying upon "other" mechanisms, the social sciences enrolled the highest proportion of students. For foreign students dependent on this resource, the greatest proportion was in psychology. Teaching assistants with U.S. citizenship were concentrated in the mathematical sciences, whereas foreign teaching assistants were most heavily involved in the physical sciences.

Distribution of full-time graduate students, by type of major support, area of science, and citizenship: 1973



SOURCE: National Science Foundation

Sex of Graduate Students

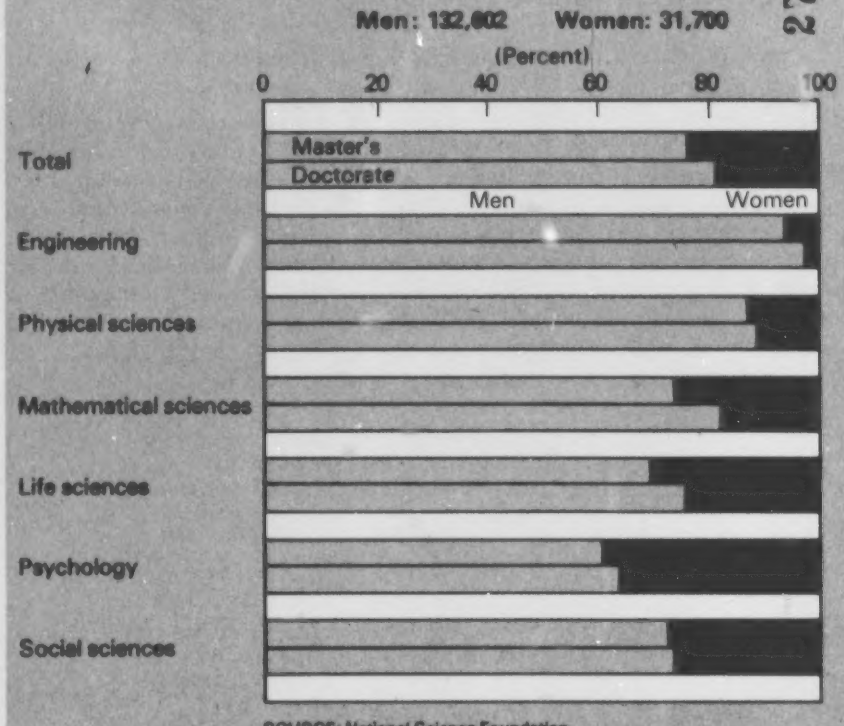
Occupational outlooks differ markedly and are more favorable for women graduate students today than for their predecessors. A recent report based on a longitudinal survey of doctorate recipients analyzed changes in occupational outlooks as they influence attitudes and aspirations of female graduate students. The study found that employment opportunities are becoming more favorable for women Ph.D.'s.[8] Consequently, recent trends show increasing rates of enrollment of women graduate science students, with more women being enrolled for graduate degrees in 1973 than ever before. Women graduate students represented 19 percent of the total number of full-time students in science and engineering in 1973, up slightly from their 18 percent share in 1972. A higher proportion of women were enrolled in master's departments than in doctorate departments, in every area of science. The largest proportion of women were enrolled in psychology, followed next by the social sciences; the smallest proportion was in engineering. As expected, the highest level of concentration of first-year male graduate students occurred in engineering; first-year female graduate students were concentrated in the life sciences.

[8] See John A. Centra, *Women, Men, and the Doctorate*. (Princeton: Educational Testing Service, 1974.)

Percent distribution of full-time graduate students, by sex, level of study, and area of science: 1973

Sex of student and level of study	Number	Percent distribution						
		Total	Engineering	Physical sciences	Mathematical sciences	Life sciences	Psychology	Social sciences
Total	164,318	100.0	19.3	17.3	7.8	25.0	9.0	21.6
Men:	132,596	100.0	96.9	88.9	81.2	75.0	63.5	73.2
First year	44,312	100.0	29.5	15.2	7.7	22.3	5.6	19.7
Beyond first year	88,284	100.0	20.0	21.0	7.9	23.7	7.8	19.5
Women:	31,722	100.0	3.1	11.1	18.8	25.0	36.5	26.8
First year	11,534	100.0	4.2	8.7	8.5	33.1	14.9	30.4
Beyond first year	20,188	100.0	2.4	10.7	7.0	31.8	18.3	29.7

Distribution of full-time graduate students, by level of department, area of science, and sex: 1973



SOURCE: National Science Foundation

A higher proportion of women than men received support from their own institutions and were self-supporting; Federal support went to a higher proportion of men than to women. Of all Federal agencies, NIH supported the largest share of women graduate students, 27 percent; and DOD the lowest, 3 percent.

Percent distribution of full-time graduate students, by source of major support and sex: 1973

Source of major support	Men	Women
Total	100.0	100.0
U.S. Government	27.2	22.6
Institutional support	41.3	43.1
Other outside support	8.9	6.3
Self-support	22.6	28.0

Percent distribution of federally supported full-time graduate students, by sex: 1973

Federal Agency	Number	Percent distribution		
		Total	Men	Women
U.S. Government, total	43,196	100.0	83.4	16.6
Atomic Energy Commission	1,562	100.0	93.4	6.6
Department of Defense	4,722	100.0	97.0	3.0
Health, Education, and Welfare, total	15,825	100.0	71.2	28.8
National Institutes of Health	10,197	100.0	73.4	26.6
Other HEW	5,628	100.0	67.3	32.7
National Aeronautics and Space Administration	1,244	100.0	96.1	3.9
National Science Foundation	9,682	100.0	88.3	11.7
All other agencies	10,161	100.0	88.2	11.8

GEOGRAPHIC DISTRIBUTION.

Over one-third of the full-time enrollees in universities in the Pacific division received Federal support, the highest proportion in any division. The lowest percentage were enrolled in institutions in the West South Central division, where less than one-fifth were federally supported.

Distribution of full-time graduate students, by State and source of major support: 1973

Division and State	Total		Federal support		Non-Federal support	
	Number	Percent distribution	Number	Percent of total	Number	Percent of total
United States, total	164,318	100.0	43,196	26.3	121,122	73.7
New England	14,403	8.8	4,252	29.5	10,151	70.5
Maine	326	0.2	77	23.6	249	76.4
New Hampshire	575	0.3	145	25.2	430	74.8
Vermont	508	0.3	93	18.3	415	81.7
Massachusetts	9,017	5.5	2,905	32.2	6,112	67.8
Rhode Island	1,237	0.7	416	33.6	821	66.4
Connecticut	2,740	1.7	616	22.5	2,124	77.5
Middle Atlantic	26,690	16.2	6,278	23.5	20,412	76.5
New York	16,391	10.0	3,644	22.2	12,747	77.8
New Jersey	3,119	1.9	704	22.6	2,415	77.4
Pennsylvania	7,180	4.4	1,930	26.9	5,250	73.1
East North Central	34,448	21.0	8,591	24.9	25,857	75.1
Ohio	7,510	4.6	1,834	24.4	5,676	75.6
Indiana	5,088	3.1	1,225	24.1	3,863	75.9
Illinois	9,220	5.6	2,553	27.7	6,667	72.3
Michigan	7,985	4.9	1,457	18.2	6,528	81.8
Wisconsin	4,645	2.8	1,522	32.8	3.123	67.2
West North Central	13,243	8.1	3,630	27.4	9,613	72.6
Minnesota	3,403	2.1	1,103	32.4	2,300	67.6
Iowa	2,843	1.7	676	23.8	2,167	76.2
Missouri	2,975	1.8	793	26.7	2,182	73.3
North Dakota	368	0.2	100	27.2	268	72.8
South Dakota	496	0.3	212	42.7	284	57.3
Nebraska	799	0.5	144	18.0	655	82.0
Kansas	2,359	1.4	602	25.5	1,757	74.5
South Atlantic	19,235	11.7	5,106	26.5	14,129	73.5
Delaware	449	0.3	104	23.2	345	76.8
Maryland	2,792	1.7	821	29.4	1,971	70.6
District of Columbia	1,756	1.1	352	20.0	1,404	80.0
Virginia	2,277	1.4	538	23.6	1,739	76.4
West Virginia	770	0.5	179	23.2	591	76.8
North Carolina	3,516	2.1	1,215	34.6	2,301	65.4
South Carolina	1,188	0.7	201	16.9	987	83.1
Georgia	2,622	1.6	535	20.4	2,087	79.6
Florida	3,865	2.4	1,161	30.0	2,704	70.0
East South Central	5,694	3.5	1,259	22.1	4,435	77.9
Kentucky	1,141	0.7	210	18.4	931	[illegible]
Tennessee	2,440	1.5	587	24.1	1,853	[illegible]
Alabama	1,094	0.7	224	20.5	870	79.5
Mississippi	1,019	0.6	238	23.4	781	76.6
West South Central	12,703	7.7	2,371	18.7	10,332	81.3
Arkansas	606	0.4	123	20.3	483	79.7
Louisiana	1,909	1.2	360	18.9	1,549	81.1
Oklahoma	2,174	1.3	401	18.4	1,773	81.6
Texas	8,014	4.9	1,487	18.6	6,527	81.4
Mountain	11,333	6.9	2,901	25.6	8,432	74.4
Montana	587	0.4	132	22.5	455	77.5
Idaho	584	0.4	110	18.8	474	81.2
Wyoming	495	0.3	122	24.6	373	75.4
Colorado	3,646	2.2	1,138	31.2	2,508	68.8
New Mexico	1,044	0.6	246	23.6	798	76.4
Arizona	2,732	1.7	521	19.1	2,211	80.9
Utah	1,926	1.2	583	30.3	1,343	69.7
Nevada	319	0.2	49	15.4	270	84.6
Pacific	26,307	16.0	8,767	33.3	17,540	66.7
Washington	2,944	1.8	946	32.1	1,998	67.9
Oregon	2,328	1.4	583	25.0	1,745	75.0
California	19,460	11.8	6,678	34.3	12,782	65.7
Alaska	213	0.1	66	31.0	147	69.0
Hawaii	1,362	0.8	494	36.3	868	63.7
Outlying areas	262	0.2	41	15.6	221	84.4

Graduate Departments in Medical Schools

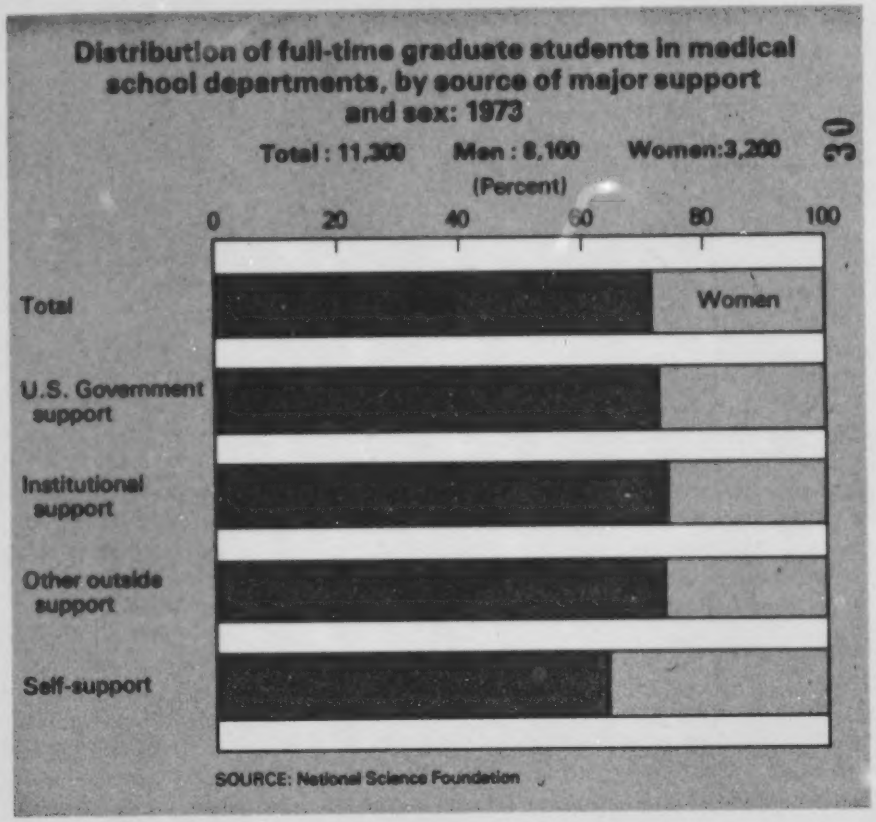
Full-time enrollment in graduate departments affiliated with medical schools accounted for only 7 percent of all full-time enrollment in 1973. Characteristics of the 11,300 students in this category were examined for comparative purposes with graduate students in all other science departments.

Over one-half of all Ph.D. candidates enrolled in medical schools were receiving a fellowship or traineeship. Less than one-fifth of enrollees in all other graduate departments received such support. The Federal Government was the prime source of support of these students, whereas all other graduate students received most of their support from the institutions themselves, along with State and local governments. A substantially higher percentage of women were enrolled in graduate programs in medical schools than in all other graduate programs, and a significantly lower percentage of foreign students were so enrolled.

Percent distribution of full-time graduate students in medical school departments, as compared with all other graduate departments: 1973

Item	Medical school departments	All other graduate departments
Total number	11,289	153,029
	Percent distribution	
By type:		
Fellowships-traineeships	51.5	18.5
Research assistantships	12.4	22.7
Teaching assistantships	11.2	27.5
Other types of support	24.9	31.3
By source:		
U.S. Government support	46.2	24.8
Institutional support	26.6	42.8
Other outside support	6.6	8.5
Self-support	20.5	23.9
By sex:		
Men	71.4	81.4
Women	28.6	18.6
By citizenship:		
United States	89.0	80.7
Foreign	11.0	19.3

Within each class of major outside financial support, women received a little over one-fourth of the available funds, but within the self-supported group, women constituted one-third of the total.



TRENDS IN POSTDOCTORAL UTILIZATION IN SCIENCE AND ENGINEERING

For this study, the term "postdoctoral" or "research associate" refers to those appointees who devote full time to research activities or study for a temporary, but specific, time period. An element of training exists in these appointments, and some postdoctorals are involved in the teaching of graduate students through seminars or lectures, although this aspect of their employment is not generally stressed.

The number of postdoctoral appointees in the matched set of departments in the period 1972 to 1973 amounted to only 64 percent of the 16,400 postdoctorals reported in 1973. This undercoverage occurred primarily in the life sciences, as clinical-medical departments were not fully represented in the 1972 survey; i.e., only 658 departments in medical schools granting science Ph.D.'s responded. In 1973 data were received from 2,452 departments in medical schools. Thus, as expansion of the survey coverage continues, trend information will be more representative of the entire postdoctoral population in future reports. Since nearly one-half of the postdoctorals were accounted for by the medical school respondents in 1973, the following trend analysis related primarily to nonmedical departments. Also, the number of postdoctorals utilized by master's departments in 1973 was less than 1 percent of the total, so they have been combined with those in doctorate departments for this analysis.

Percent change in the number of postdoctorals in matched departments, by area of science and control of institution: 1972 to 1973

Area of science	Total	Public	Private
Total, all areas	-6.1	-7.6	-4.0
Engineering	-3.2	-3.5	-2.9
Physical sciences	-3.7	-6.7	.7
Mathematical sciences	-34.6	-56.9	-8.9
Life sciences[1]	-5.5	-5.2	-5.8
Psychology	-39.7	-33.1	-45.2
Social sciences	-3.9	-14.1	14.4

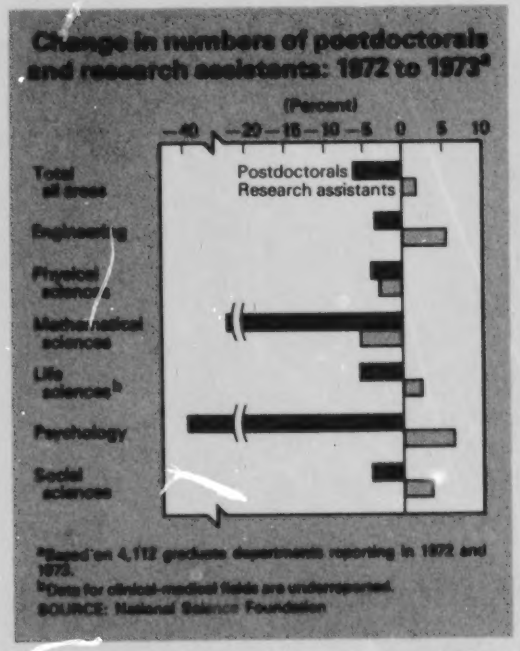
[1] See explanation in text regarding undercoverage in medical departments.

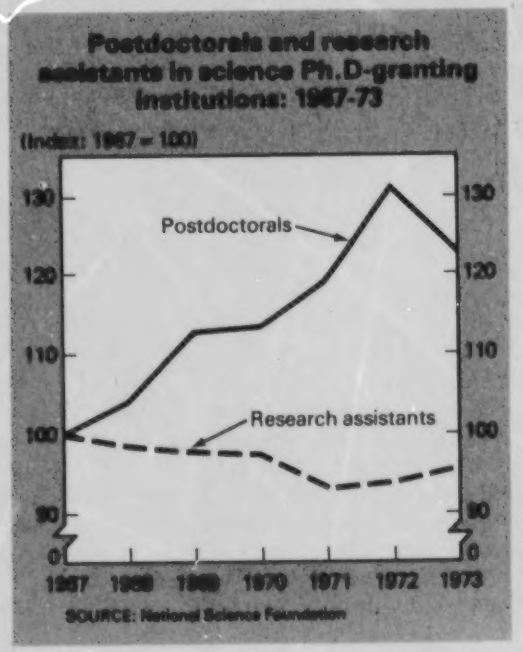
NOTE: Based on 4,112 graduate departments reporting in 1972 and 1973.

For the first time in this data series, the number of postdoctorals in matched departments has shown a downturn that is reflected in every major area of science. Since many postdoctoral appointments are considered to be temporary, short-term employment for recent Ph.D. graduates, this reduction in numbers may reflect more favorable job opportunities outside of the academic sector. Both public and private institutions lost some of their postdoctoral "pool" in 1973, with public institutions losing these appointees at almost twice the rate as private ones.

Comparison with Research Assistantship Utilization

While the number of postdoctorals employed in institutions of higher education dropped by 6 percent from 1972 to 1973, the total number of graduate students holding research assistantships increased by 2 percent, heavily influenced by the increase in support from the institutions themselves. This shift in the utilization of manpower resources for the performance of research reflects a reversal of the long-term trend noted in previous studies. In the period 1967 through 1972, when Federal R&D obligations rose 15 percent in constant-dollar terms, the number of research assistants supported on Federal projects dropped 11 percent. By 1972 the total number of postdoctorals, of whom over two-thirds were employed on Federal projects in 1973, rose 31 percent above the 1967 level. In the most recent 1972-73 period, however, Federal R&D obligations to universities and colleges were reduced by $41 million in constant-dollar terms, or by 3 percent, and postdoctorals subsequently were lower by 6 percent.

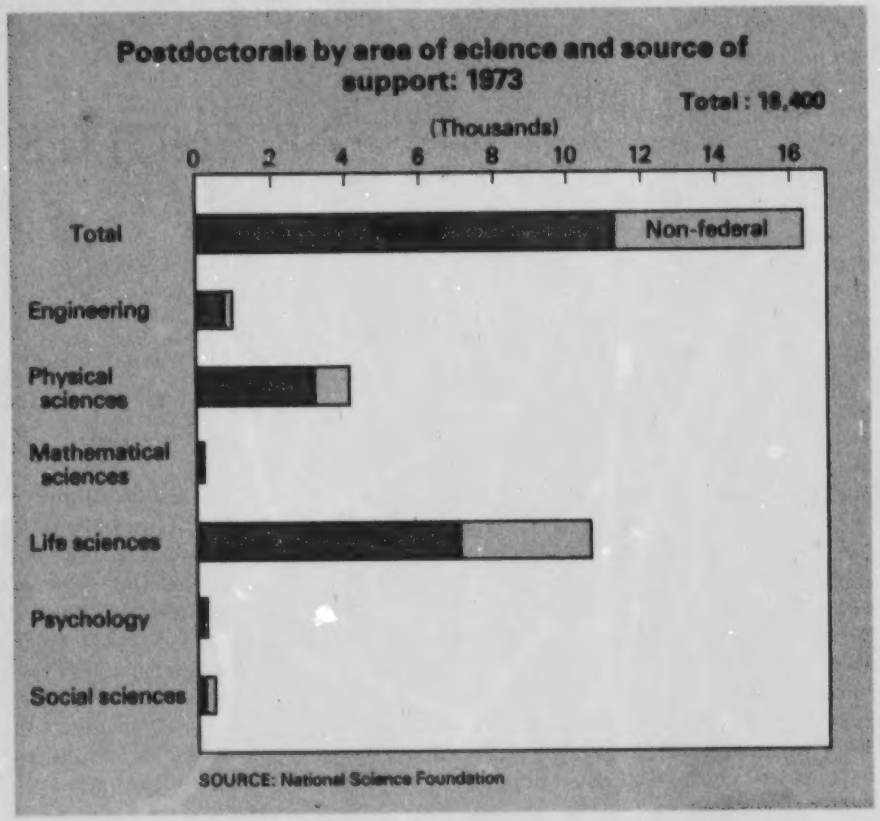




GENERAL CHARACTERISTICS, FALL 1973

Of the 16,400 postdoctorals reported in 1973 by graduate science departments in Ph.D.-granting institutions, 69 percent were supported on Federal research projects.[9] The highest percentage of federally supported postdoctorals occurred in the physical sciences—77 percent—and the lowest in the social sciences—41 percent. More postdoctorals were employed in the life sciences—10,500—than in any other area; the next highest number were in the physical sciences—4,100. Medical schools employed nearly one-half —7,900—of all postdoctorals; 5,200 of these, or two-thirds, received some form of Federal support. More postdoctorals were engaged by public institutions—55 percent—than by private ones, but in private institutions, a higher percentage—71 percent—were supported on Federal projects than in public ones—67 percent.

[9] For further details on postdoctorals, refer to appendix III (page 80) and in appendix IV tables in this report.



APPENDIXES

I. Technical Notes

General Methodology
Assessment of Coverage, Consistency of Reporting, and Methodology of 1973 Survey: the Reliability and Validity Survey

II. Classification of Institutions in Survey

III. Statistical Tables

IV. Instructions and Consolidated Departmental Data Sheets

33

Note

The detailed statistical tables for this volume have been published separately under one cover. A complete listing of the tables appears on p. 51. Detailed statistical tables may be obtained gratis from the National Science Foundation, Washington, D.C. 20550.

APPENDIX I
Technical Notes

Table		Page
I-1.	Number of participating institutions and departments in NSF data collection years: 1967-73	25
I-2.	Comparison of graduate departments in the universe with those responding to the 1973 survey	26
I-3.	Percentage difference between 1973 survey results and weighted full-time enrollment obtained by field enumerators on types of major support	27
I-4.	Percentage difference between 1973 survey results and weighted full-time enrollment obtained by field enumerators on sources of major support	27
I-5.	Percentage difference between 1973 survey results and weighted data obtained by field enumerators on postdoctorals	27
I-6.	Comparison of student characteristics according to interviews and department records, with 95 percent confidence interval on net difference: 1973	28
I-7.	Comparison of postdoctoral characteristics according to interviews and department records, with 95 percent confidence interval on net difference: 1973	28
I-8.	Estimates of sampling error of observed differences for selected data cells: 1973	28
I-9.	Number of students and postdoctorals selected to be interviewed and number actually interviewed: 1973	30
I-10.	Comparison of enrollment data from 1973 survey with CGS survey results in selected graduate departments	32
I-11.	Comparison of data on types of support from 1973 CGS survey results in selected graduate departments	33
I-12.	Comparison of total graduate enrollment statistics from the Council of Graduate Schools with NSF's Survey of Graduate Science Student Support: 1972 to 1973	33
I-13.	Comparison of first-year graduate enrollment statistics from the Council of Graduate Schools with NSF's Survey of Graduate Science Student Support: 1972 to 1973	33
I-14.	Number of graduate departments in the 339 doctorate-granting institutions covered in the GSSS Survey, by area and field of science: 1973	34
I-15.	List of top 100 institutions including affiliated medical schools, ranked on basis of total graduate enrollment: 1973	41

General Methodology

The institutional response rate in this survey was 100 percent; that is, every institution that was known to offer a science-doctorate program returned completed questionnaires from its graduate science and engineering departments. In 1973, as the result of NIH's special interest in the biomedical and clinical departments, survey coverage was expanded. The 339 medical and graduate school deans surveyed in 1973 returned 6,559 Departmental Data Sheets representing 876 master's and 5,683 doctorate departments.

The table I-1 provides the number of institutions and departments by level, in each year for which data are shown in this report. As stated earlier, in the Introduction, there were three populations covered in the data series: (1) 1967-71—based on data from application forms submitted to NSF's Graduate Traineeship Program; (2) 1972—a survey of graduate departments in institutions awarding the Ph.D. degree in the sciences and engineering; (3) 1973—expanded coverage to include biomedical and clinical departments.

Table I-1. Number of participating institutions and departments in NSF data collection years: 1967-73

Year[1]	Number of institutions	Number of departments		
		Total	Master's	Doctorate
1967	209	3,016	436	2,580
1968	219	3,190	454	2,736
1969	224	3,354	460	2,894
1970	227	3,544	473	3,071
1971	224	3,397	407	2,990
1972	302	4,637	826	3,811
1973	339	6,559	876	5,683

[1] Years 1967-71 represent NSF's Graduate Traineeship Program; 1972 and 1973 were survey years.

Assessment of Coverage, Consistency of Reporting, and Methodology of the 1973 Survey: the Reliability and Validity Survey

As part of the continuing effort by NSF and NIH to improve reliability and validity (R&V) of survey data, in Spring 1974 a contractor was engaged to conduct a field study of a sample of 30 graduate institutions, including 10 medical schools to determine the accuracy and completeness of data reported on the survey questionnaires. The R&V study was also designed to measure the sources and magnitude of response problems.

Three distinct quality checks of the 1973 survey data were undertaken: (1) an assessment of institutional and departmental records; (2) site visits to 120 science and engineering departments within 30 institutions; (3) a telephone survey of a sample of graduate students and postdoctorals to obtain first-hand data for comparison with departmental records.

SUMMARY OF FINDINGS

Results of the R&V study are presented here in terms of the major purposes of the effort.

A. Coverage

The survey mailing lists of institutions awarding the Ph.D. degree in science and engineering were taken in 1972 from the records maintained by the Fellowships Office of the National Research Council, updated in 1973 by adding institutions reporting Ph.D. as the highest offering in the 1973 Survey of Scientific Activities of Institutions of Higher Education, plus institutions listed in the 1973-74 Association of American Medical Colleges *Directory of American Medical Education*. As part of the quality check of the 1973 survey these sources of institutional coverage were compared with the most current version of each of the following:

1. *American Council on Education*, list of graduate schools granting science Ph.D.'s, updated on an ongoing basis for ACE research projects.
2. *The Campus Resources of Higher Education in the United States of America*, November 1973, published by the Academy for Educational Development, Inc., Washington, D.C.
3. *Higher Education: Education Directory, 1973-74*, published annually by the National Center for Educational Statistics, Office of Education, Department of Health, Education, and Welfare.

The following 14 schools with Ph.D. programs in the sciences and engineering were identified that had not been surveyed in 1972 or 1973:

Names of Eligible Institutions	*Science Ph.D. Offered*
1. University of Alabama in Huntsville, Ala.	Physics, mechanical engineering, electrical engineering
2. Cleveland State University, Cleveland, Ohio	Chemistry
3. East Texas State University, Commerce, Tex.	Psychology
4. Lamar University, Beaumont, Tex.	Psychology
5. University of Maryland, Baltimore County, Md*.	Mathematics, biological sciences
6. University of Missouri in St. Louis, Mo.**	Chemistry, psychology
7. New England Institute, Ridgefield, Conn.	Interdisciplinary science
8. Northeast Louisiana University, Monroe, La.	Pharmacy
9. Northern Arizona University, Flagstaff, Ariz.	Biology
10. Oakland University, Rochester, Mich.	Systems engineering
11. Old Dominion University, Norfolk, Va.	Civil engineering, electrical engineering, mechanics, thermal engineering
12. Rand Graduate Institute, Santa Monica, Calif.	Policy studies
13. Rosemead Graduate School of Psychology, Rosemead, Calif.	Counseling psychology
14. Tennessee Technological University, Cookeville, Tenn.	Engineering

* Branch campus of the University of Maryland System.
** Branch campus of the University of Missouri System.

Departmental coverage within all surveyed institutions (exclusive of the 14 that had not been surveyed) was assessed by comparing the eligible departments listed in the 1973-74 graduate school catalogs of each institution with their departmental responses to the 1973 survey. Results of this effort were tabulated and are shown in table I-2.

The difference of 1,317 departments (i.e., those listed in catalogs, but not responding in the survey) represents approximately 20 percent of the survey universe. In terms of the number of graduate students in the sciences and engineering enrolled in these missing departments, the 20 percent is undoubtedly a poor measure and seriously inflated. College catalogs tend to overstate program offerings and the missed departments are more likely to be smaller, newer, and less visible.

Limitations of the catalog search as a means for establishing such a universe were numerous, and the difficulties are summarized as follows:

Table I-2. Comparison of graduate departments in the universe with those responding to the 1973 survey

Area of science	Number of graduate departments in universe[1]	Number of graduate departments responding to the survey	Number of responses as percent of universe
Total	7,876	6,559	83.3
Engineering	1,044	926	88.7
Physical sciences	768	713	92.8
Mathematical sciences	374	339	90.6
Life sciences	4,130	3,422	82.9
Agriculture	326	270	82.8
Basic medical sciences	965	813	84.2
Other biosciences	653	550	84.2
Health sciences	1,937	1,649	85.1
Other health related	249	140	56.2
Psychology	279	215	77.1
Social sciences	1,233	928	75.3
All other sciences, n.e.c.	48	16	33.3

[1] The universe has two components: The departments listed in the graduate school catalogs and in the *Directory of American Medical Education, 1973-74*.

1. The program and degree framework of a university do not always lend themselves to a breakdown by departments. The catalog reviewers had considerable difficulty in differentiating a department from what was termed a "Major", a "Program", or a "Specialization", or from what was an interdisciplinary department, committee, group, or area. This was a crucial problem, since the department was to be the reporting unit in the GSSS survey, and the catalog reviewers were not always able to tell whether a unit should be included in the survey universe.
2. Several institutions did not conform to the typical academic structure, complicating the procedure for compiling a universe. In general, the variations in types of organization among the institutions made the catalog search a difficult task. And, as more innovations are introduced into graduate education, such a task is likely to result in somewhat arbitrary decisions being made in order to categorize all programs.

B. Field enumeration check on departmental records

How accurate are data supplied to NSF from departmental records on graduate science enrollment and sources of support of students and postdoctorals? To answer this question, the contractor sent teams of enumerators into the field to examine records maintained at 120 graduate departments at 30 institutions selected at random. A replication of departmental responses was done without reference to the original response in order not to bias the study. At the end of the field study, the sample was weighted to produce national estimates which were compared with the actual survey results to produce identification and measurement of response variance.[1]

Results of the field enumeration check on departmental records.

The overall 1973 survey results showing total graduate enrollment in science were found to be relatively accurate (table I-3). The field enumeration study produced an estimate of -1.2 percent (i.e., the published statistics understated by 1.2 percent the replicated data) when data from the quality check sample were weighted to national estimates.

As would be expected, since a student's *major* source of support may not have been known to the department chairmen or to the field enumerators, there was more variation in the source of support data. For instance, graduate research assistantship data are estimated to be understated by about 4 percent. Published statistics on holders of fellowships-traineeships appear to be overstated in the order of about 8 percent.

Also, the data reported on sources of major support indicated close agreement, with U.S. Government sources in total being overstated by less than 1 percent and non-U.S. Government sources underreported by only 2 percent (table I-4). Differences in reporting of individual sources of support were considerably larger. In general, the categories accounting for the largest numbers of students had the greatest consistency between department and field staff reports.

Information on the differences observed in the treatment of postdoctorals indicates that records available on these appointees at the department level are frequently not in a form required to respond to survey items, as the results show an overstatement of 7 percent of the actual total observed by the field teams (table I-5). Also, some confusion was encountered in classifying M.D.'s who were studying for a Ph.D. Here again, there are probably definitional problems that result in chairmen being unable to report accurately on the number and source of support of postdoctorals assigned to their departments.

[1] The 30 institutions' sample size were necessarily so small that only gross differences can be considered to be statistically significant.

Table I-3. Percentage difference between 1973 survey results and weighted full-time enrollment obtained by field enumerators on types of major support

Type of major support	1973 GSSS survey results	Percentage difference
Total, all types	164,318	-1.2
Fellowships and traineeships	34,135	7.6
Graduate research assistantships	36,111	-3.9
Graduate teaching assistantships	43,395	2.0
Other types of support	50,677	-9.0

Table I-4. Percentage difference between 1973 survey results and weighted full-time enrollment obtained by field enumerators on sources of major support

Sources of major support	1973 GSSS survey results	Percentage difference
Total, all sources	164,318	-1.2
U.S. Government sources	43,196	.8
NSF	9,682	-1.4
NIH	10,197	-3.0
Other	23,317	3.0
Non-U.S. Government sources	121,122	-2.0
Institutional support	68,448	.7
Self, loans, and family	38,845	-2.3
Other	13,779	-13.9

Table I-5. Percentage difference between 1973 survey results and weighted data obtained by field enumerators on postdoctorals

Sources of support	1973 GSSS survey results	Percentage difference
Total, all postdoctorals	16,358	7.0
U.S. Government sources	11,286	7.7
Fellowships and traineeships	4,595	13.5
Research associates	6,691	4.5
Non-U.S. Government sources	5,072	4.6

Limitations of the field enumeration check on departmental records

Problems encountered in attempting to reconcile data obtained from a sample of departmental records with the survey responses submitted by these departments prevented a determination of a data set reflecting "true" graduate student characteristics. Among the major problems encountered were the following:

1. The field enumeration check of the 1973 graduate student data was the first one of its kind planned by NSF and the initial one conducted by the contractor. As a result, serious problems were encountered in connection with the schedule and level of effort proposed by the contractor. The schedule called for two-day visits to each campus. This included replication of questionnaries at four graduate departments, interviews with institutional officials, and telephone interviews with a sample of graduate students and postdoctorals. This two-day time limit was much too short for adequate coverage and undoubtedly influenced the quality of the findings produced by the field enumeration study. As a result of the tight schedule, the replicated questionnaire data produced by the contractor in the field enumeration was not always verified with institutional officials who supplied the original statistics as planned.
2. Of critical importance to the quality check was the assumption that source records examined by enumerators could be matched with actual counts of students reported in particular items on the original forms. This was often not the case and attempts to reconcile the student counts reported by the departments with the student characteristics data obtained by the field representatives were difficult.
3. Finally, the sample sizes for institutions and departments were so small that only gross differences can be considered to be statistically significant.

C. Student and postdoctoral interviews.

So that accuracy of departmental records could be assessed, or at least their consistency with student perceptions, a random sample was selected of graduate students and postdoctorals.[2] These students and postdoctorals were interviewed to obtain information on the characteristics of their graduate studies, including their major source of support. The field enumerators attempted to contact each of the students and postdoctorals by telephone in order to obtain data on various characteristics of their graduate studies to compare with the data that were extracted from the departmental records.

Results of the student and postdoctoral interviews.

In general, data from the student and postdoctoral interviews show a close correspondence with the results of the field

[2] For detailed information on sampling methodology, see p. 29.

enumeration counts. For example, there was zero net difference between the student interview data and the field enumeration count on the level of study; i.e., first year and beyond first (table I-6). The zero net difference indicates an offsetting number of positive and negative counts since the confidence interval at the 95-percent level is relatively large (-3.90 to 3.90).

The student interviews produced an estimate of the percentage of males in the sample that exceeds that obtained from the departmental files by only one-half of 1 percent and is probably due to recording errors. The student interview estimate of the percent of U.S. citizens was less than the estimate derived from departmental records by only 1.5 percent. The size of the confidence interval is approximately the same width as the sex estimates, indicating a close correspondence between the interviews and departmental records.

Sources and types of support showed the highest levels of variation, confirming the general findings from the overall reliability and validity study. The "major" source of support is not always known at either the department level or by individual students since these funds may be drawn from a pool representing multiple sources. For example, departmental personnel may be aware of sources that are utilized by a given student if the funds are channeled through the department; however, they may not be aware of other sources used, such as student loans or family support. Because of this uncertainty, departmental officials may tend to overreport students in the "other" category when they actually receive major sources of income from one of the specific categories listed on the questionnaire.

Similar data comparisons resulted from the interviews of postdoctorals. When related to the departmental records, the greatest variances were shown for sources of support (table I-7).

Limitations of the student and postdoctoral interviews.

As in the case of the quality check of departmental records, the student interview data are subject to serious limitations, as follows:

1. Student perceptions of the major source of support for their graduate studies may differ from actuality, and the departmental records may be a more accurate source of information in some cases. For example, U.S. Government funds may lose their identity to the student as they flow through various levels such as States and institutions. The student may erroneously perceive that the most immediate source of support, from which his paycheck may come, is the actual source. The student may be unaware that the institution receives his support from bulk grants under large Federal programs, for example.
2. Of the 450 targeted student interviews, 397 were actually conducted. The tabulated data thus may be subject to statistical bias because of nonresponse caused by the inability to locate students or refusal to cooperate even though adjustments were made to sample weights to account for the nonresponse.
3. Since the sample was very small when compared to national totals, the weighted sample data are subject to sampling errors and should be interpreted only in gross terms.

To elaborate on limitation 3 above, statistics on the characteristics of students in this section are estimates based on interviews with students chosen by a stratified random sample from the survey universe.

An estimate of the sampling error has been computed and table I-8 shows the sampling error for various data items listed on the stub, at one standard error.[1] To illustrate, the two estimates derived from the weighted sample estimates for "Total Full-time Graduate Students" produced a difference of 1,867 students. The estimated standard error at the two-thirds confidence interval is estimated at 3,791 students; i.e., the actual difference could range from -1,934 to 5,658 students at one standard error. The estimated standard errors of the differences of each student characteristic are large because of the relatively small number of sample units. In all cases, except the estimated number of postdoctorals, the standard errors approximately equal or exceed the differences, indicating a significant level of sampling error.

[1] For an explanation of how this statistic is derived see Morris H. Hansen, William N. Harwitz, and William G. Marlow, *Sample Survey Methods and Theory*, Vol. 1, 1st ed. (New York: John Wiley and Sons, Inc., 1953), p. 228.

Table I-6. Comparison of student characteristics according to interviews and department records, with 95 percent confidence interval on net difference: 1973

Student characteristics	Percent distribution according to: Student interviews	Department records	95 percent confidence interval on net difference
Total	100.0	100.0	
Citizenship:			
U.S.	82.7	84.2	-3.37 to .31
Foreign	17.3	15.8	- .31 to 3.37
Level of study:			
First year	32.6	32.6	-3.90 to 3.90
Beyond first	67.4	67.4	-3.90 to 3.90
Type of major support:			
Fellowships or traineeships	32.8	30.9	-1.87 to 5.73
Research assistantships	30.2	27.3	- .96 to 6.75
Teaching assistantships	28.6	31.2	-5.79 to .64
Other types of support	8.4	10.7	-5.88 to 1.39
Source of major support:			
U.S. Government	26.4	31.6	-9.52 to -.78
Non-U.S. Government	73.6	68.4	9.52 to .78
Sex:			
Male	82.1	81.6	-1.54 to 2.05
Female	17.9	18.4	-2.05 to 1.54

Table I-7. Comparison of postdoctoral characteristics according to interviews and department records, with 95 percent confidence interval on net difference: 1973

Characteristic	Percent distribution according to: Post-doctoral interviews	Department records	95 percent confidence interval on net difference
Received doctoral:			
Since 1969	75.8	73.5	-2.6 to 7.3
In 1969 or before	24.2	26.5	-7.3 to 2.6
Source of support:			
U.S. sources	71.6	64.8	.3 to 13.2
Non-U.S. sources	28.4	35.2	-13.2 to -.3

Table I-8. Estimates of sampling error of observed differences for selected data cells: 1973

Item	Differences (R&V minus GSSS estimates)	Estimated standard errors of the differences (at 2/3 confidence interval)
Total full-time graduate students	1,867	3,791
Number receiving fellowships and traineeships	-2,084	2,044
Number receiving support from U.S. Government	-314	1,222
Number of first-year students	795	2,739
Number of male students	1,748	3,225
Number of postdoctorals	-1,394	635

SAMPLE SELECTION METHODOLOGY FOR THE RELIABILITY AND VALIDITY CHECK

Sample selection of 30 institutions

The contractor designed and selected a stratified random sample of 30 institutions from the 235 graduate and 104 medical schools surveyed in 1973. Since the medical schools constituted nearly one-third of the total, 10 were selected for the study. Within each of the two sets of institutions, schools were selected systematically with probabilities proportional to the estimated number of graduate students in science departments plus the number of postdoctoral appointees in these departments in 1973. Since all of the 1973 department responses were not available early enough for use as the measures of size and others were not edited in time for the sample selection, 1972 enrollment data were used for this purpose. For graduate institutions, these data were taken from the 1972 survey, for medical schools, data were provided by NIH from other sources. (The 1972 survey enrollments could not be used for medical schools since most of the medical schools did not report enrollments separately in 1972).

If M_i represented the estimated graduate plus postdoctoral enrollment referred to above for the i^{th} medical school, its probability of selection for the R&V Study was $10\,M_i/M_m$, where M_m (which equals 18,639) was the total of the M_i values for all 104 medical schools. Similarly, the selection probability for the i^{th} graduate institution was $20\,M_i/M_d$, where M_d (which equals 159,109) was the total of the M_i values for the 235 graduate institutions.

The selection of the 10 medical schools was made with probability proportional to size. The schools were ordered by estimated percent of total enrollment that was composed of postdoctorals. The ordered groups formed a sampling list. For each medical school the estimated graduate and postdoctoral enrollment, M_i, and the cumulative enrollment were listed. This cumulative enrollment, cum (M_i), was computed for the i^{th} school as follows:

$$\text{cum } (M_i) = \sum_{j=1}^{i} M_j$$

The value of cum (M_i) was simply the sum of the enrollments of all schools listed before i^{th} school plus the enrollment of the i^{th} school.

The selection interval, I, was then computed as $M_m/12$; i.e., 18,639/12. Then, a random number, R, between 1 and I was selected from a table of random numbers. Twelve selection numbers were then computed as follows:

$$R,\ R + I,\ R + 2I,\ R + 3I,\ \ldots,\ R + 11I$$

Each selection number identified a possible selection for the R&V study. The school determined by a particular selection number was the first one on the list for which cum (M_i) was equal to or greater than the selection number. This produced a sample of 12 medical schools, which were selected initially to provide possible substitute schools to replace nonparticipating schools. The 10 schools used as the main sample were picked with equal probability from the 12 schools initially selected. Hence, the selection probability for each medical school in the main sample was $10\,M_i/M$; i.e., $(12\,M_i/M)\,(10/12)$.

The 20 graduate institutions were selected in an analogous way. The 235 graduate institutions were first partitioned into three groups: Engineering, physical sciences, and mathematical sciences; life sciences; and psychology and social sciences. Within each of these groups, the schools were ordered by percent of enrollment represented by postdoctorals (as for medical schools). The three groups were then combined to form a single sampling list.

Twenty-three graduate institutions were selected from this ordered list, with probabilities proportional to size. Twenty of these institutions were picked at random for the main sample, with the other three serving as possible substitutes. The selection of the 23 graduate institutions was carried out in a manner similar to that described for the medical schools. In the case of the graduate schools the selection interval, I, was $M_d/23$ (i.e., 159,109/23). If R represented the random start, that is, a random number between 1 and I, the 23 selection numbers were the following:

$$R,\ R + I,\ R + 2I,\ \ldots,\ R + 22I$$

Twenty of the above 23 selection numbers were drawn at random to identify the initial sample, with the remaining three serving as possible substitutes.

Sample selection of departments

Four science departments were sampled from each of the 30 institutions that were selected for the R&V sample, providing 120 departments for the study. These departments were selected with probabilities proportional to the number (or estimated number) of graduate students plus postdoctorals they contained. As mentioned earlier, 1973 enrollment data were not available to use for the selection of the sample; therefore, the 1972 data were used as measures of departments sizes. For each of the few "new" science departments in 1973, an average enrollment for departments in the school in the same general classification was inputed as the measure of size.

The selection of four departments from each of the 30 institutions was carried out in a way similar to that used for the selection of schools. The departments in each graduate institution were first grouped by the three classifications mentioned above. Within each of these three groups departments were ordered by postdoctoral percent of enrollment. A similar ordering of medical school departments was used. Statisticians and analysts interested in the detailed sampling techniques used for department selection and calculation of weights may contact the Division of Science Resources Studies for further information.

Graduate and medical schools and the departments selected for the sample are given below.

Graduate Schools and Departments Selected

University of Akron
- Physics
- Psychology
- Urban Studies
- Biology

Bowling Green State University
- Mathematics
- Biology
- Psychology
- Political Science

University of California at Los Angeles
- Biology
- Urban Planning
- Energy & Kinetics
- Mechanics & Structures

Carnegie-Mellon University
- Electrical Engineering
- Metallurgy & Material Science
- Physics
- Biological Sciences

University of Cincinnati
- History
- Chemistry
- Mathematics
- Economics

City University of New York
- Psychology
- Speech
- Anthropology
- Chemistry

Duke University
- Political Science
- Physics
- Psychology
- Mathematics

University of Illinois
- Geography
- Electrical Engineering
- Mechanical & Industrial Engineering
- Chemistry

Iowa State University
- Agricultural Engineering
- Chemistry
- Zoology & Entomology
- Economics

Johns Hopkins University
- Earth & Planetary Science
- Chemistry
- Geography
- Political Economy

University of Kentucky
- Political Science
- Chemistry
- Mathematics
- Plant Physiology

Massachusetts Institute of Technology
- Electrical Engineering
- Civil Engineering
- Aeronautics & Astronautics
- Biology

Michigan State University
- Horticulture
- Political Science
- Physics
- Communications

University of Oklahoma
- Meteorology
- Political Science
- Botany & Microbiology
- Anthropology

Oregon State University
- Food Science & Technology
- Electrical & Computer Engineering
- Fish & Wildlife
- Oceanography

Purdue University
- Materials Engineering
- Civil Engineering
- Biology
- Physics

Rensselaer Polytechnic Institute
- Biomedical Engineering
- Mathematics
- Chemistry
- Electric Power Engineering

Rutgers University
- Animal Sciences
- Physics
- Civil & Environmental Engineering
- Sociology

SUNY-College of Environmental Science and Forestry
- Forest Chemistry
- World Forestry
- Paper Technology
- Engineering

University of Texas at Austin
- Civil Engineering
- Economics
- Psychology
- Sociology

Medical Schools and Departments Selected

University of California, Davis Medical School
- Behavioral Biology
- Biological Chemistry
- Pulmonary
- Infectious Diseases

University of California, San Francisco Medical Center
- Biochemistry & Biophysics
- Urology
- Medicine
- History of Health Science

University of Colorado Medical Center
- Biophysics & Human Genetics
- Anatomy
- Gastroenterology
- Dermatology

University of Minnesota, Minneapolis Medical School
- Pharmacology
- Biochemistry
- Surgery
- Medicine

University of North Carolina Medical School
- Pathology
- Biochemistry & Nutrition
- Biomedical Engineering & Mathematics
- Cardiology

University of Oklahoma Health Sciences Center
- Cardiology
- Psychiatry & Behavioral Science
- Obstetrics & Gynecology
- Biochemistry & Molecular Biology

University of Southern California Medical School
- Biological Chemistry
- Pathology
- Pediatrics
- Physiology

University of Texas Health Science Center
- Biological Chemistry
- Obstetrics & Gynecology
- Internal Medicine
- Physiology

University of Wisconsin Medical School
- Neurophysiology
- Genetics
- Hematology
- Otolaryngology

Yale School of Medicine
- Molecular Biophysics & Biochemistry
- Otolaryngology
- Epidemiology & Public Health
- Pharmacology

Sample selection of students and postdoctorals

The sample of students and postdoctorals to be interviewed was designed to yield about 600 completed questionnaries, 450 from graduate students and 150 from postdoctorals. The actual number selected and number of completed interviews are shown in table I-9.

Table I-9. Number of students and postdoctorals selected to be interviewed and number actually interviewed: 1973

Students and postdoctorals	Number selected			Number interviewed		
	Total	Medical schools	Graduate institutions	Total	Medical schools	Graduate institutions
Total	725	213	512	558	196	362
Graduate students	529	118	411	397	72	325
Postdoctorals	196	95	101	161	124	37

The questionnaire used for the interviews follows. Further details on the selection of students and postdoctorals can be obtained by contacting the Division of Science Resources Studies.

OMB No. 99 F-74006
Expires August 31, 1974

Institution _____
Department _____
Interviewer _____
Date _____

TELEPHONE QUESTIONNAIRE

Hello, my name is _____ I am with Westat, Inc., a national research company. We are conducting a nationwide survey for the National Science Foundation. The survey is concerned with colleges and universities granting advanced degrees in scientific fields. As part of this survey, we are calling some students (postdoctorals) in order to ask them a few questions. This will take only a few minutes and your cooperation will be greatly appreciated. All your answers will be kept strictly confidential and will be used for statistical purposes only.

1. During the Fall of 1973, were you enrolled at (Name of Institution)

   Yes (Go to Q.2) 1
   No 2

   (Do not accept a "No" answer without probing. Ask: During the Fall of 1973 you *were not* a student (postdoctoral) at (Name of Institution)? If the respondent insists on a "No" answer, thank him and terminate the interview).

2. In which department were you enrolled: _____ —

3. At that time were you enrolled in an advanced degree program?

   Yes 1
   No 2

3.A. Were you a

   Graduate student ..... 1 (Go to Q.5)
   Postdoctoral ..... 2 (Go to Q.4)
   Neither ..... 3 (Terminate Interview)

FOR POSTDOCTORALS ONLY

4. Did your support come from:
   U.S. Government sources 1
   Non-U.S. Government sources 2

4.A Was your appointment for:
   A fellowship 1
   A traineeship 2
   Research associate 3
   Other (specify) 4

4.B In what year did you receive your doctoral (M.D.) degree? _____

FOR POSTDOCTORALS TERMINATE INTERVIEW HERE.

5. In the Fall of 1973 were you enrolled as a full time, part time or special student?

   Full time 1
   Part time 2
   Special ..... 3 Terminate Interview

6. At that time had you completed:

   Less than a full year of graduate study 1
   One year or more of graduate study 2

(For students who had answered "part time" in response to Q.5, terminate interview after getting an answer to Q.6. For full time graduate students continue Q.7.)

7. Not including tuition, did you receive any type of financial support in the Fall of 1973? (Do not include government loans.)

   Yes (Go to Q.8) 1
   No (Skip to Q.9) 2

8. What type of support did you receive in the fall of 1973?

   Fellowship or traineeship 1
   Graduate research assistantship 2
   Graduate teaching assistantship 3
   Other (specify) 4

9. We are interested in determining how full time graduate students supported themselves in the Fall of 1973. Considering your total financial needs at that time, *but not including tuition or government loans*, please tell me your major sources of support and what percentages of the total each accounted for:

	%
First Source _____	_____
Second Source _____	_____
Third Source _____	_____
Fourth Source _____	_____

   (Interviewer: If the sources named by the respondent do not add up to 80%, ask for other sources until the 80% figure is reached. Probe for specific sources. For instance, if the answer is HEW, probe for which agency within HEW, such as NIH, NDEA, etc. If the Veterans Administration is not mentioned as one of the three main sources above, ask Q. 9A, Otherwise, go to Q. 10)

9.A Were you receiving any Veterans Benefits under the GI Bill of Rights?

   Yes 1
   No 2

10. In the Fall of 1973, were you a citizen of the U.S.?

   Yes 1
   No 2

11. (Interviewer, fill in):

   Male 1
   Female 2

Detach this portion and destroy following home office coding to insure confidentiality of student information.

Student's Name _____
Student's Address _____
_____
Student's Area Code _____ Telephone No. _____

THANK YOU FOR YOUR COOPERATION

40

COVERAGE OF DATA COMPARABILITY BETWEEN THE NSF SURVEY OF GRADUATE SCIENCE STUDENT SUPPORT AND OTHER SURVEYS OF GRADUATE STUDENTS

The National Center for Educational Statistics (NCES) within the Department of Health, Education, and Welfare acquires enrollment data as part of its Higher Education General Information Survey (HEGIS), conducted annually. The 15th Annual survey of Students Enrolled for Advanced Degrees (SEAD) was conducted in Fall 1973 as part of this series. The most recent publication representing the results of this survey, however, appeared in 1974 and represented Fall 1971 graduate enrollment in master's and Ph.D.-granting institutions. Thus, comparability between NCES and NSF's 1972 and 1973 surveys of graduate science enrollment cannot be calculated at this time. However, the NSF traineeship data for 1971 (before the 1973 survey was expanded to approximate universe coverage of graduate science departments) were compared in a prior publication with the results of the SEAD for that year, and it was found that over 87 percent of all graduate science enrollment in the United States had been accounted for in the NSF traineeship applications.[4]

The Council of Graduate Schools in the United States (CGS) conducted its annual enrollment survey of 308 members in 1973, requesting deans of both master's and doctorate-granting institutions to provide full- and part-time graduate enrollment and type of support in the following disciplines: education, humanities, social sciences (anthropology, business, economics, geography, history, political science, and sociology), physical sciences (chemistry, computer science, geology, mathematics, physics, and statistics), engineering, and biological sciences (agriculture, biology, health professions, home economics, psychology, and zoology). This taxonomy differs considerably from that used in both the SEAD and the NSF surveys. For example, NSF does not survey nonscience fields, and excludes business and history from the social sciences. As noted above, the CGS survey considers computer sciences, mathematics, and statistics to be in the physical sciences, while NSF treats these fields separately as mathematical sciences. Also, home economics and psychology are included by CGS under biological sciences while NSF does not treat home economics as a science and considers the biological sciences as part of the life sciences. With these differences in mind, tables I-10 and I-11 have been included to illustrate the overall findings of the two surveys in regard to the science-doctorate-granting institutions. Master's institutions were not surveyed by NSF.

[4] See National Science Foundation, *Graduate Science Education: Student Support and Postdoctorals, Fall 1972* (NSF 73-315), appendix I, table B (Washington, D.C. 20402: Supt. of Documents, U.S. Government Printing Office, 1974).

Table I-10. Comparison of total graduate enrollment statistics from the Council of Graduate Schools with NSF's Survey of Graduate Science Student Support: 1972 to 1973

Area of science	Total graduate enrollment		Control of institution			
			Public		Private	
	CGS	NSF	CGS	NSF	CGS	NSF
Total, all areas:						
1973	274,350	217,962	198,993	151,830	75,357	66,132
1972	268,606	210,895	194,733	146,663	73,873	64,232
Percent change	2.1	-1.0	2.2	-1.1	2.0	-.8
Engineering						
1973	45,830	52,251	30,299	32,571	15,531	19,680
1972	45,819	51,624	30,703	32,523	15,116	19,101
Percent change	(1)	-1.8	-1.3	-.8	2.8	-3.6
Physical sciences[2]						
1973	47,877	51,508	35,620	36,580	12,257	14,928
1972	48,777	51,172	35,892	36,247	12,885	14,925
Percent change	-1.8	-2.5	-.8	-2.8	-4.9	-1.6
Biological sciences[3]						
1973	[4]70,097	65,634	[4]56,434	49,612	[4]13,663	16,022
1972	[4]65,523	60,005	[4]52,756	44,951	[4]12,767	15,054
Percent change	6.9	1.9	6.9	10.4	7.0	7.0
Social sciences						
1973	[5]110,546	[6]48,569	[5]76,640	[6]23,067	[5]33,906	[6]15,502
1972	[5]108,487	48,094	[5]75,382	32,942	[5]33,105	15,152
Percent change	1.9	-2.0	1.7	-1.3	2.4	-3.6

[1] Less than 0.5 percent.
[2] Includes mathematical sciences.
[3] Includes psychology.
[4] Includes home economics (CGS only).
[5] Includes business and history (CGS only).
[6] Includes all other sciences not elsewhere classified.
Note: Percent changes are for matched departments.
Source: NSF Survey of Graduate Science Student Support, 1973; Council of Graduate Schools, *Communicator;* Special Report #2, dated September, 1974.

41

Total graduate science enrollment as reported to NSF amounted to 218,000 students; the CGS survey accounted for 274,000 students. This difference occurred primarily in the social sciences, where the fields included are not comparable, as described above.

In a further attempt to determine comparability between the two sources, the contractor for the NSF survey was asked to determine the number of students reported in 80 science departments in graduate schools out of the 120 that were selected for the reliability and validity (R&V) study.[5] Data from these departments were compared with results from the CGS survey on these same departments to determine the extent of the individual differences. Of the 80 departments examined, a maximum of 49 were considered comparable enough for a meaningful analysis of full-time enrollment, primarily due to the differing concepts inherent in the two surveys: CGS partitions the data into academic programs or disciplines; NSF into academic departments. In many departments the two methods resulted in almost identical student counts, in others they did not. Summarized in table I-12 are the results of the comparison of individual departments. Four responses with variances of over 100 students accounted for the substantial difference in total full-time students; discrepancies of this magnitude must be attributed to substantial coverage and/or definitional differences.

[5] See technical notes, p. 25, for description of the R&V study.

Table I-11. Comparison of first-year graduate enrollment statistics from the Council of Graduate Schools with NSF's Survey of Graduate Science Student Support: 1972 to 1973

Area of science	Total graduate enrollment		Control of institution: Public		Control of institution: Private	
	CGS	NSF	CGS	NSF	CGS	NSF
Total, all areas:						
1973	75,534	76,224	54,492	53,263	21,042	22,961
1972	72,403	71,136	52,123	50,258	20,280	20,879
Percent change	4.3	7.1	4.5	-.9	3.8	3.2
Engineering						
1973	12,804	23,180	8,433	14,201	4,371	8,979
1972	12,078	21,144	7,873	13,819	4,205	7,325
Percent change	6.0	4.9	7.1	2.4	3.9	9.9
Physical sciences[1]						
1973	11,441	15,831	8,669	11,404	2,772	4,427
1972	10,838	15,386	8,055	11,054	2,783	4,332
Percent change	5.6	-2.9	7.6	-3.7	([2])	-1.0
Biological sciences[3]						
1973	[4]18,842	20,940	[4]14,585	15,980	[4]4,257	4,960
1972	17,765	18,334	13,902	13,880	3,863	4,454
Percent change	6.1	2.7	4.9	1.1	10.2	8.3
Social sciences						
1973	[5]32,447	[6]16,273	[5]22,805	[6]11,678	[5]9,642	[6]4,595
1972	[5]31,722	16,273	[5]22,293	11,505	[5]9,429	4,768
Percent change	2.3	-5.3	2.3	-4.5	2.3	-7.2

[1] Includes mathematical sciences.
[2] Less than 0.5 percent.
[3] Includes psychology.
[4] Includes home economics (CGS only).
[5] Includes business and history (CGS only).
[6] Includes all other sciences not elsewhere classified.
Note: Percent changes are for matched departments.
Source: NSF Survey of Graduate Science Student Support, 1973; Council of Graduate Schools, *Communicator;* Special Report #2, dated September, 1974.

Table I-12. Comparison of enrollment data from 1973 survey with CGS survey results in selected graduate departments

Enrollment status	Number of departments compared	Number of graduate students: GSSS survey	Number of graduate students: CGS survey	CGS survey as percent of GSSS survey
Full-time	49	4,846	4,213	86.9
First year	45	1,352	1,417	104.8
Part-time	42	1,258	1,433	113.9
First year	40	599	561	93.7

When full-time enrollment from both surveys was compared in terms of mechanisms of support, the NSF survey results were consistently higher than data from the CGS survey except first-year research assistants which were virtually identical (table I-13).

Table I-13. Comparison of data on types of support from 1973 survey with CGS survey results in selected graduate departments

Type of support of full-time students	Number of departments compared	Number of graduate students: GSSS survey	Number of graduate students: CGS survey	CGS survey as percent of GSSS survey
Fellowships and trainee-ships	43	924	672	72.7
First year	35	264	192	72.7
Teaching assistant-ships	48	1,576	1,529	97.0
First year	40	430	376	87.4
Research assistant-ships	47	1,075	926	86.1
First year	38	190	192	101.2

Table I-14. Number of graduate departments in the 339 doctorate-granting institutions covered in the GSSS survey, by area and field of science: 1973

Area, field of science, and departmental title	Total	Master's departments	Doctorate departments
Total	6,559	876	5,683
Engineering	926	189	737
Aeronautical, total	35	5	30
Aeronautical and astronautical engineering	3	.....	3
Aeronautical engineering	1	.....	1
Aeronautics	2	.....	2
Aeronautic and astronautics	6	.....	6
Aerospace engineering	21	4	17
Aerospace engineering and engineering physics	2	1	1
Agricultural, total	47	19	28
Agricultural and irrigation engineering	1	.....	1
Agricultural engineering	41	17	24
Chemical and paper engineering	1	1	.....
Wood products engineering	1	.....	1
Wood Technology	3	1	2
Chemical, total	111	15	96
Chemical and metallurgical engineering	5	1	4
Chemical and nuclear engineering	2	.....	2
Chemical engineering and materials science	4	.....	4
Chemical engineering	94	11	83
Plastics	1	1	.....
Textiles	5	2	3
Civil, total	125	25	100
Civil and environmental engineering	7	.....	7
Civil and geological engineering	1	.....	1
Civil engineering	104	25	79
Civil engineering and engineering mechanics	2	.....	2
Environmental engineering	5	.....	5
Environmental sciences and engineering	6	.....	6
Electrical, total	132	21	111
Electrical computer science	4	.....	4
Electrical engineering	127	21	106
Electronics and Instrumental	1	.....	1
Engineering science, total	52	5	47
Applied mechanics	6	.....	6
Applied science	3	2	1
Engineering acoustics	1	.....	1
Engineering and applied physics	1	.....	1
Engineering and applied science	1	.....	1
Engineering mechanics	17	1	16
Engineering physics	1	.....	1
Engineering science	13	2	11
Fluid dynamics	1	.....	1
Mechanical science	0	.....	.....
Mechanics	5	.....	5
Mechanics and hydraulics	1	.....	1
Theoretical and applied mechanics	2	.....	2
Industrial, total	88	28	60
Administrative science	2	.....	2
Engineering Management	3	3	.....
Industrial communication engineering	1	.....	1
Industrial engineering and management science	4	1	3
Industrial engineering and operations research	3	.....	3
Industrial engineering	39	10	29
Industrial management	3	1	2
Management	2	.....	2
Management engineering	2	2	.....
Management science	7	4	3
Manufacturing engineering	2	2	.....
Operations research	9	.....	9
Systems engineering	11	5	6
Mechanical, total	133	27	106
Aerospace and mechanical engineering	16	.....	16
Architectural engineering	1	1	.....
Marine engineering and naval architecture	1	.....	1
Mechanical and aeronautical engineering and material science	4	.....	4
Mechanical and industrial engineering	2	1	1
Mechanical engineering and applied mechanics	2	.....	2
Mechanical engineering	102	23	79
Naval architecture	2	.....	2
Transportation	2	1	1
Welding engineering	1	1	.....
Metallurgical, total	62	6	56
Ceramic engineering	9	2	7
Ceramics	2	.....	2
Material science	11	2	9
Materials engineering	11	.....	11
Metallurgical and materials engineering	11	.....	11
Metallurgical engineering	10	2	8
Metallurgy	7	.....	7
Solid state science and technology	1	.....	1
Mining, total	18	8	10
Geological engineering	2	.....	2
Mineral engineering	4	3	1
Mineral preparation	1	.....	1

Table I-14—Con.

Area, field of science, and departmental title	Total	Master's departments	Doctorate departments
Mining	2	1	1
Mining engineering	9	4	5
Nuclear, total	30	3	27
Nuclear engineering	25	2	23
Nuclear science and engineering	5	1	4
Petroleum, total	13	2	11
Fuel technology	2	.....	2
Petroleum and chemical engineering	2	.....	2
Petroleum engineering	9	2	7
Engineering, n.e.c., total	80	25	55
Architecture	10	9	1
Bioengineering	9	.....	9
Biomedical engineering	17	.....	17
Biomedical engineering and Math	1	.....	1
Clinical engineering	1	.....	1
Economics of engineering	1	.....	1
Energy engineering	3	.....	3
Engineering	22	6	16
Engineering administration	2	2	.....
Engineering design	2	1	1
Engineering graphics	1	1	.....
Engineering mathematics	1	.....	1
General engineering	2	1	1
Information engineering	1	.....	1
Landscape Architecture	1	1	.....
Polymer science and engineering	1	.....	1
Sanitary engineering	1	1	.....
Technology	2	2	.....
Textile engineering	2	1	1
Physical sciences	713	128	585
Astronomy, total	29	3	26
Astronomy	28	3	25
Astrophysics	1	.....	1
Atmospheric sciences, total	25	2	23
Astrogeophysics	1	.....	1
Atmospheric and space sciences	1	.....	1
Atmospheric sciences	10	.....	10
Meteorology	12	2	10
Meteorology and oceanography	1	.....	1
Chemistry, total	224	27	197
Chemistry	217	26	191
Crystallography	1	.....	1
Paper technology	2	1	1
Physical chemistry	1	.....	1
Polymer science	3	.....	3
Geosciences, total	179	53	126
Earth and planetary science	5	1	4
Earth sciences	18	8	10
Environmental sciences	9	5	4
Geochemistry	3	.....	3
Geodetic science	1	.....	1
Geological science	17	3	14
Geology	82	29	53
Geology and geography	7	2	5
Geology and geological engineering	2	.....	2
Geology and geophysics	10	1	9
Geophysics	10	1	9
Geosciences	10	3	7
Hydrology	2	.....	2
Minerology	1	.....	1
Paleontology	1	.....	1
Petroleum geology	1	.....	1
Oceanography, total	34	3	31
Marine biology	1	.....	1
Marine science	11	2	9
Ocean engineering	6	1	5
Oceanography	15	.....	15
Physical oceanography	1	.....	1
Physics, total	222	40	182
Applied Physics	5	.....	5
Astronomy and space science	1	.....	1
Chemical physics	5	.....	5
Electronics	1	.....	1
Optical science	1	.....	1
Optics	1	.....	1
Physical sciences	2	1	1
Physics	108	37	143
Physics and astronomy	20	2	18
Physics and astrophysics	1	.....	1
Physics and geophysics	1	.....	1
Physics and Mathematics	1	.....	1
Planetary and space science	1	.....	1
Solid state physics	1	.....	1
Space Science	1	.....	1

Table I-14—Con.

Area, field of science, and departmental title	Total	Master's departments	Doctorate departments
Mathematical sciences	339	83	256
Applied mathematics, total	74	19	55
Applied mathematics	7	1	6
Applied mathematics and computer science	1	.....	1
Computer science	56	17	39
Health computer science	2	.....	2
Information Science	8	1	7
Mathematics, total	219	61	158
Mathematical science	10	4	6
Mathematics	199	54	145
Mathematics and applied mathematics	1	1	.....
Mathematics and astronomy	1	1	.....
Mathematics and statistics	7	1	6
Quantitative studies	1	.....	1
Statistics, total	46	3	43
Applied statistics	2	1	1
Mathematical statistics	1	.....	1
Statistics	41	1	40
Statistics and computer science	2	1	1
Life Sciences	3,422	170	3,252
Agriculture, total	270	61	209
Agricultural chemistry	3	.....	3
Agricultural education	1	1	.....
Agricultural Microbiology	1	.....	1
Agricultural Science	3	2	1
Agronomy	30	4	26
Agronomy and genetics	2	.....	2
Animal breeding	2	.....	2
Animal diseases	1	.....	1
Animal Husbandry	2	.....	2
Animal industry	4	2	2
Animal nutrition	2	.....	2
Animal science	41	8	33
Crop and soil science	2	1	1
Dairy husbandry	1	.....	1
Dairy science	16	5	11
Farm crops	3	.....	3
Floriculture	1	.....	1
Forest Botany	1	.....	1
Forest Chemistry	1	.....	1
Forest entomology	1	.....	1
Forest management	3	1	2
Forest products	1	.....	1
Forest resources	6	1	5

Area, field of science, and departmental title	Total	Master's departments	Doctorate departments
Forestry	25	7	18
Forestry and horticulture	1	.....	1
Horticulture	31	9	22
International agriculture development	1	1	.....
Irrigation	1	1	.....
Natural resources	5	2	3
Plant and soil science	8	1	7
Plant breeding	1	.....	1
Plant science	10	1	9
Poultry husbandry	1	.....	1
Poultry science	15	5	10
Range management	4	1	3
Range science	3	.....	3
Recreation and parks	3	1	2
Resource development	2	1	1
Resource sciences	2	1	1
Silviculture	1	.....	1
Soil science	8	.....	8
Soils	3	.....	3
Soils and meteorology	1	.....	1
Vegetable crops	3	1	2
Water resources	4	1	3
Water resources administration	2	.....	2
Watershed management	1	.....	1
Wildlife	3	1	2
Wildlife management	3	2	1
Anatomy, total	96	2	94
Anatomy	94	2	92
Anatomy and cell biology	1	.....	1
Human anatomy	1	.....	1
Biochemistry, total	151	3	148
Agricultural biochemistry	2	.....	2
Agricultural biochemistry/nutrition	1	.....	1
Biochemical science	1	.....	1
Biochemistry	114	3	111
Biochemistry/biophysics	8	.....	8
Biochemistry/molecular biology	3	.....	3
Biochemistry/nutrition	5	.....	5
Biochemistry/pharmacology	1	.....	1
Biological chemistry	11	.....	11
Comparative biochemistry	1	.....	1
Lipid research	1	.....	1
Physiological chemistry	3	.....	3
Biology, total	127	28	99
Behavioral biology	1	.....	1
Biology	117	28	89

Table I-14—Con.

Area, field of science, and departmental title	Total	Master's departments	Doctorate departments
Developmental biology	4	.....	4
Environmental biology	1	.....	1
Evolutionary biology	1	.....	1
Experimental biology	1	.....	1
Population biology	2	.....	2
Biometry and biostatistics, total	23	1	22
Biomathematics	4	.....	4
Biometry	11	.....	11
Biostatistics	8	1	7
Biophysics, total	38	1	37
Biophysical sciences	1	.....	1
Biophysics	17	.....	17
Biophysics and physical biochemistry	1	.....	1
Biophysics/human genetics	1	.....	1
Biophysics/microbiology	1	.....	1
Cell biophysics	1	.....	1
Engineering biophysics	1	.....	1
Medical physics	2	.....	2
Molecular biophysics	2	.....	2
Molecular biophysics and biochemistry	1	.....	1
Radiation biology	5	1	4
Radiation biology and biophysics	2	.....	2
Radiation biophysics	1	.....	1
Radiobiology	1	.....	1
Radiological physics	1	.....	1
Biosciences, n.e.c., total	56	11	45
Biological sciences	37	7	30
Biomedical science	4	.....	4
Comparative medicine	1	.....	1
General science	2	.....	2
Health sciences	3	1	2
Laboratory	1	.....	1
Life science	7	2	5
Natural science	1	1	.....
Botany, total	91	5	86
Botanical science	1	.....	1
Botany	47	3	44
Botany and microbiology	4	1	3
Botany and plant pathology	8	1	7
Plant pathology	26	.....	26
Plant physiology	5	.....	5
Cell biology, total	25	.....	25
Biological structure	2	.....	2
Cellular biology	11	.....	11
Molecular biology	12	.....	12
Ecology, total	11	.....	11
Ecology	10	.....	10
Human ecology	1	.....	1
Entomology and parisitology, total	42	2	40
Entomology	35	2	33
Entomology/parisitology	2	.....	2
Parisitology	5	.....	5
Genetics, total	49	.....	49
Genetics	39	.....	39
Human genetics	7	.....	7
Medical genetics	3	.....	3
Microbiology, total	162	7	155
Bacteriology	6	.....	6
Bacteriology and public health	1	.....	1
Immunology	8	.....	8
Medical microbiology	9	1	8
Medical microbiology/immunology	5	.....	5
Microbiology	130	6	124
Microbiology/medical genetics	1	.....	1
Virology	1	.....	1
Virology and epidemiology	1	.....	1
Nutrition, total	61	12	49
Food and nutrition	14	2	12
Food economics	1	1	.....
Food science	16	3	13
Food science/technology	6	1	5
Food technology	2	1	1
Foods	1	.....	1
Home economics	1	1	.....
Nutrition	20	3	17
Pathology, total	122	2	120
Anatomical pathology	1	.....	1
Clinical pathology	7	.....	7
Clinical pathology/laboratory medicine	1	.....	1
Medical pathology	1	.....	1
Oncology	6	.....	6
Pathobiology	1	.....	1
Pathology	104	2	102
Radiation oncology	1	.....	1

Table I-14—Con.

Area, field of science, and departmental title	Total	Master's departments	Doctorate departments
Pharmacology, total	117	.....	117
Biochemical pharmacology	2	.....	2
Medicinal chemistry	9	.....	9
Pharmacognosy	3	.....	3
Pharmacology	93	.....	93
Pharmacology/therapeutics	1	.....	1
Pharmacology/toxicology	6	.....	6
Psychopharmacology	1	.....	1
Toxicology	2	.....	2
Physiology, total	128	1	127
Animal physiology	2	.....	2
Exocrine physiology	1	.....	1
Human physiology	1	.....	1
Neurophysiology	1	.....	1
Physiological optics	1	.....	1
Physiological science	1	.....	1
Physiology	84	1	83
Physiology and anatomy	3	.....	3
Physiology and biophysics	23	.....	23
Physiology/Pharmacology	10	.....	10
Physiology, pharmacology, and biophysics	1	.....	1
Zoology, total	65	3	62
Fish and wildlife	3	.....	3
Fisheries	1	.....	1
Forest zoology	1	.....	1
Ornithology	1	1	.....
Wildlife biology	1	1	.....
Zoology	53	1	52
Zoology and entomology	3	.....	3
Zoology and physiology	2	.....	2
Other health sciences, incl. clinical, total	1,788	31	1,757
Administration	1	.....	1
Administrative medicine	1	.....	1
Allergy	1	.....	1
Allergy and immunology	1	.....	1
Allied health sciences	1	.....	1
Ambulatory medicine	1	.....	1
Anesthesiology	85	3	82
Arthritis	3	.....	3
Biopsychology	1	.....	1
Brain research	1	.....	1
Cardiology	70	.....	70
Cardiology	1	.....	1
Cardiopulmonary/biophysics	1	.....	1
Cardiorespiratory/pulmonary	1	.....	1
Cardiovascular medicine	11	.....	11
Cardiovascular surgery	1	.....	1
Chest diseases	5	.....	5
Child studies	2	.....	2
Clinical laboratory science	3	.....	3
Clinical medicine	1	.....	1
Clinical pharmacology	20	.....	20
Community and environmental medicine	3	.....	3
Community and preventive medicine	10	.....	10
Community and public health	2	.....	2
Community medicine	24	.....	24
Connective tissue disease	2	.....	2
Dentistry	5	1	4
Dental hygiene - Pedodontics	1	.....	1
Dermatology	41	.....	41
Diagnostic radiology	6	.....	6
Emergency medicine	1	.....	1
Endocrinology	52	.....	52
Endocrinology and metabolism	19	.....	19
Environmental health	5	.....	5
Environmental medicine	2	.....	2
Epidemiology	5	.....	5
Epidemiology and environmental health	1	.....	1
Experimental endocrinology	2	.....	2
Experimental medicine	5	.....	5
Family and community medicine	8	.....	8
Family practice	28	.....	28
Gastroenterology	70	.....	70
General practice	1	.....	1
Gynecology	1	.....	1
Health services	3	.....	3
Hematology	72	.....	72
Hematology and oncology	4	.....	4
Histology	1	.....	1
Hospital and health administration	2	.....	2
Human reproduction	1	.....	1
Hypertension	2	.....	2
Infectious diseases	15	.....	15
Internal medicine	14	.....	14
International health	1	.....	1
Laboratory animal medicine	3	.....	3
Maternal and child health	3	.....	3
Medical and education administration	1	.....	1
Medical and public affairs	1	.....	1
Medical research	3	.....	3
Medical sciences	3	.....	3
Medical technology	1	1	.....
Medicine	60	.....	60
Metabolism	3	.....	3
Metabolism, endocrinology, and diabetes	1	.....	1
Myocardial biology	1	.....	1

Table I-14—Con.

Area, field of science, and departmental title	Total	Master's departments	Doctorate departments
Nephrology	13	.....	13
Neurobiology	3	.....	3
Neurological surgery	16	.....	16
Neurology	79	.....	79
Neurology/neuropathology	1	.....	1
Neurosciences	7	.....	7
Neurosurgery	5	.....	5
Nuclear medicine	4	.....	4
Nursing	11	6	5
Nursing education	1	.....	1
Obstetrics	1	.....	1
Obstetrics/gynecology	91	.....	91
Occupational health	1	.....	1
Ophthalmology	86	1	85
Oral biology	2	1	1
Oral pathology	2	.....	2
Oral Surgery	4	.....	4
Orthodontics	2	1	1
Orthopedic surgery	28	.....	28
Orthopedic surgery and rehabilitation	3	.....	3
Orthopedics	9	.....	9
Otorhinolaryngology	82	.....	82
Pediatric surgery	1	.....	1
Pediatrics	92	.....	92
Perinatal medicine	1	.....	1
Pharmaceutical chemistry	7	.....	7
Pharmaceutics	10	.....	10
Pharmacy	21	3	18
Physical diagnosis	1	.....	1
Physical medicine	4	.....	4
Physical medicine and rehabilitation	22	.....	22
Plastic surgery	4	.....	4
Post graduate medicine	1	.....	1
Preventive and social medicine	4	.....	4
Preventive medicine	11	.....	11
Preventive medicine and public health	5	.....	5
Primary health care	1	.....	1
Proctology	1	.....	1
Psychiatry	89	.....	89
Psychiatry and behavioral science	2	.....	2
Psychiatry and neurology	3	.....	3
Psychobiology	1	.....	1
Public health	6	.....	6
Public health and epidemiology	3	.....	3
Pulmonary disease	64	.....	64
Radiology	81	1	80
Rehabilitation medicine	20	.....	20
Rheumatology	5	.....	5
Small animal surgery	1	1	.....
Surgery	91	1	90
Therapeutic radiology	10	.....	10
Tropical med/medical micro/parisitology	2	.....	2
Tropical medicine	1	.....	1
Urology	31	1	30
Veterinary anatomy	6	1	5
Veterinary bacteriology	1	.....	1
Veterinary medicine	7	3	4
Veterinary parasitology	3	.....	3
Veterinary pathology	6	1	5
Veterinary physiology	4	1	3
Veterinary science	12	4	8
Vivarial medicine	1	.....	1
Psychology, total	215	35	180
Animal behavior	1	.....	1
Child development	5	3	2
Child psychology	1	.....	1
Clinical psychology	4	.....	4
Educational psychology	3	.....	3
Experimental psychology	7	2	5
Experimental social psychology	1	.....	1
Guidance	1	1	.....
Human development	5	1	4
Medical psychology	2	.....	2
Mental health	1	.....	1
Physiological psychology	3	.....	3
Psychology	177	26	151
Psychology and education	1	.....	1
Social psychology	3	2	1
Social sciences	928	269	659
Agricultural economics, total	41	9	32
Agricultural economics	36	6	30
Agricultural economics and sociology	3	2	1
Agricultural economics and economics	2	1	1
Anthropology, total	93	24	69
Anthropology	92	23	69
Archeology	1	1	.....
Economics, total	160	41	119
Business economics	1	.....	1
Economics	150	40	110
Economics and business administration	2	.....	2

Table I-14—Con.

Area, field of science, and departmental title	Total	Master's departments	Doctorate departments
Industrial relations	1	1	.....
Managerial economics	1	.....	1
Medical economics	1	.....	1
Mineral economics	2	.....	2
Political economy	2	.....	2
Geography, total	86	37	49
Geography	85	37	48
Geography and anthropology	1	.....	1
History and philosophy of science, total	77	5	72
History	21	4	17
History and philosophy of science	5	.....	5
History of health sciences	1	.....	1
History of Medicine	4	.....	4
History of science	9	.....	9
History of science and medicine	1	.....	1
Logic and methodology of science	1	.....	1
Philosophy	29	1	28
Philosophy of science	6	.....	6
Linguistics, total	74	13	61
Biocommunications	4	.....	4
Communications	3	1	2
Communications	3	.....	3
Linguistics	45	6	39
Mass communication	1	1	.....
Psycholinguistics	1	.....	1
Sensory communication	1	.....	1
Speech	2	1	1
Speech and hearing science	4	.....	4
Speech pathology	10	4	6
Political science, total	171	63	108
African affairs	1	1	.....
American studies	1	1	.....
Government	20	7	13
Government and foreign affairs	1	.....	1
International Affairs	1	.....	1
International relations	5	2	3
International studies	1	1	.....
Political science	131	44	87
Politics	3	1	2
Public administration	5	4	1
Public affairs	2	2	.....

Area, field of science, and departmental title	Total	Master's departments	Doctorate departments
Sociology, total	191	64	127
Asian studies	2	2	.....
City planning	1	.....	1
Community studies	1	.....	1
Demography	1	1	.....
Environmental studies	2	.....	2
Family life	5	3	2
Folklore	1	.....	1
Interdisciplinary studies	1	.....	1
International service	1	.....	1
Labor and industrial relations	2	1	1
Latin American studies	3	3	.....
Regional planning	5	2	3
Regional science	3	1	2
Rural sociology	2	.....	2
Social relations	2	1	1
Social sciences	6	.....	6
Social studies	2	.....	2
Society	1	1	.....
Sociology	132	39	93
Urban planning	9	4	5
Urban studies	9	6	3
Sociology and anthropology, total	23	13	10
Sociology and anthropology	23	13	10
Social sciences, n.e.c., total	12	.....	12
Behavioral sciences	6	.....	6
Biobehavioral sciences	1	.....	1
Human behavior	2	.....	2
Social work	1	.....	1
Socio-Medical sciences	2	.....	2
All other sciences, n.e.c., total	16	2	14
Avian science	1	1	.....
Business administration	1	1	.....
Education	1	.....	1
Health education	2	.....	2
Humanities	1	.....	1
Legal medicine	2	.....	2
Library, medical	1	.....	1
Physical education	1	.....	1
Pomology	1	.....	1
Postgraduate medical education	2	.....	2
Science education	3	.....	3

Table I-15. List of top 100 institutions, including affiliated medical schools, ranked on basis of total graduate enrollment: 1973

Institution name	Rank	Graduate enrollment Total	Full-time	Part-time
University of California, Berkeley		5,213	5,066	147
Total	1	5,213	5,066	147
University of Illinois		3,799	3,518	281
University of Illinois College of Medicine		585	486	99
Total	2	4,385	4,004	380
University of Minnesota		3,339	2,843	496
University of Minnesota, Minneapolis Medical School		594	560	34
Total	3	3,933	3,403	530
University of Wisconsin		3,539	3,350	189
University of Wisconsin Medical School		304	295	9
Total	4	3,843	3,645	198
Rutgers, The State University		3,434	1,577	1,857
Rutgers College of Medicine and Dentistry		92	91	1
Total	5	3,526	1,668	1,858
Ohio State University		3,303	2,804	499
Ohio State University College of Medicine		221	199	22
Total	6	3,524	3,003	521
University of Michigan		3,051	2,903	148
University of Michigan Medical School		296	288	8
Total	7	3,347	3,191	156
Michigan State University		2,771	2,586	185
Michigan State University College of Medicine		286	262	24
Total	8	3,057	2,848	209
University of California, Los Angeles		2,839	2,666	173
University of California, Los Angeles Medical School		213	205	8
Total	9	3,052	2,871	181
Massachusetts Institute of Technology		3,012	3,010	2
Total	10	3,012	3,010	2
Cumulative Total		36,891	32,709	4,182

Institution name	Rank	Graduate enrollment Total	Full-time	Part-time
University of Texas, Austin		2,624	2,406	218
University of Texas, Houston Medical School		144	144	0
University of Texas, Southwestern Medical School		91	80	11
University of Texas, Galveston Medical School		67	57	10
University of Texas, San Antonio Medical School		50	46	4
Total	11	2,976	2,733	243
Stanford University		2,871	2,636	235
Stanford University School of Medicine		99	97	2
Total	12	2,970	2,733	237
Pennsylvania State University		2,885	2,162	723
Pennsylvania State University College of Medicine		71	71	0
Total	13	2,956	2,233	723
University of Maryland		2,867	1,620	1,247
University of Maryland School of Medicine		85	85	0
Total	14	2,952	1,705	1,247
Purdue University		2,888	2,694	194
Total	15	2,888	2,694	194
Northeastern University		2,851	876	1,975
Total	16	2,851	876	1,975
Cornell University		2,574	2,557	17
Cornell University Medical School		77	76	1
Total	17	2,651	2,633	18
University of Southern California		2,277	1,405	872
University of Southern California Medical School		132	113	19
Total	18	2,409	1,518	891
Columbia University		2,041	1,593	448
Columbia University College of Physicians and Surgeons		365	282	83
Total	19	2,406	1,875	531
Polytechnic Institute of Brooklyn		2,347	409	1,938
Total	20	2,347	409	1,938
Cumulative Total		64,297	52,118	12,179

Table I-15.—Con.

Institution name	Rank	Graduate enrollment Total	Full-time	Part-time
University of Washington		2,052	1,680	372
University of Washington School of Medicine		242	238	4
Total	21	2,294	1,918	376
University of Oklahoma		2,144	963	1,181
University of Oklahoma College of Medicine		137	119	18
Total	22	2,281	1,082	1,199
Texas A&M University		2,161	1,790	371
Total	23	2,161	1,790	371
University of Tennessee		2,007	1,395	612
University of Tennessee College of Medicine		126	102	24
Total	24	2,133	1,497	636
University of Florida		1,999	1,691	308
University of Florida College of Medicine		88	79	9
Total	25	2,087	1,770	317
City University of New York Graduate Division		2,002	1,430	572
Mount Sinai School of Medicine, City University of New York		56	51	5
Total	26	2,058	1,481	577
University of Arizona		1,965	1,707	258
University of Arizona College of Medicine		82	79	3
Total	27	2,047	1,786	261
Indiana University		1,604	1,355	249
Indiana University School of Medicine		288	254	34
Total	28	1,892	1,609	283
New School for Social Research		1,883	523	1,360
Total	29	1,883	523	1,360
Iowa State University		1,878	1,622	256
Total	30	1,878	1,622	256
Cumulative Total		85,011	67,196	17,815

Institution name	Rank	Graduate enrollment Total	Full-time	Part-time
Wayne State University		1,658	906	752
Wayne State University School of Medicine		197	157	40
Total	31	1,855	1,063	792
University of California, Davis		1,823	1,720	103
University of California, Davis Medical School		25	25	0
Total	32	1,848	1,745	103
University of Colorado		1,661	1,477	184
University of Colorado School of Medicine		179	170	9
Total	33	1,840	1,647	193
University of Connecticut		1,650	1,323	327
University of Connecticut School of Medicine		28	28	0
Total	34	1,678	1,351	327
University of Pittsburgh		1,607	966	641
University of Pittsburgh School of Medicine		70	68	2
Total	35	1,677	1,034	643
University of Massachusetts		1,648	1,488	160
University of Massachusetts Medical School		0	0	0
Total	36	1,648	1,488	160
State University of New York at Buffalo		1,445	1,075	370
State University of New York at Buffalo, School of Medicine		202	171	31
Total	37	1,647	1,246	401
New York University		1,488	490	998
New York University School of Medicine		156	104	52
Total	38	1,644	594	1,050
Syracuse University		1,642	984	658
Total	39	1,642	984	658
University of Pennsylvania		1,421	1,167	254
University of Pennsylvania School of Medicine		162	150	12
Total	40	1,583	1,317	266
Cumulative Total		102,073	79,665	22,408

51

51

Table I-15.—Con.

Institution name	Rank	Graduate enrollment Total	Full-time	Part-time
University of Kansas		1,502	1,239	263
University of Kansas School of Medicine		65	64	1
Total	41	1,567	1,303	264
George Washington University		1,366	376	990
George Washington University Medical School		182	134	48
Total	42	1,548	510	1,038
North Carolina State University, Raleigh		1,531	1,232	299
Total	43	1,531	1,232	299
Virginia Polytechnic Institute		1,524	1,055	469
Total	44	1,524	1,055	469
Harvard University		1,331	1,327	4
Harvard University Medical School		158	158	0
Total	45	1,489	1,485	4
University of Hawaii		1,360	1,249	111
University of Hawaii School of Medicine		122	113	9
Total	46	1,482	1,362	120
State University of New York, Stony Brook		1,402	1,047	355
State University of New York, Stony Brook School of Medicine		53	49	4
Total	47	1,455	1,096	359
University of Missouri, Columbia		1,368	1,053	315
University of Missouri, Columbia School of Medicine		85	80	5
Total	48	1,453	1,133	320
University of Chicago		1,208	1,138	70
University of Chicago Pritzker School of Medicine		245	238	7
Total	49	1,453	1,376	77
University of Iowa		1,177	958	219
University of Iowa College of Medicine		274	263	11
Total	50	1,451	1,221	230
Cumulative Total		117,026	91,438	25,588

Institution name	Rank	Graduate enrollment Total	Full-time	Part-time
Arizona State University		1,440	946	494
Total	51	1,440	946	494
University of Cincinnati		1,230	862	368
University of Cincinnati College of Medicine		192	160	32
Total	52	1,422	1,022	400
Colorado State University		1,391	1,213	178
Total	53	1,391	1,213	178
Oregon State University		1,323	1,181	142
Total	54	1,323	1,181	142
Yale University		1,100	1,092	8
Yale University Medical School		207	206	1
Total	55	1,307	1,298	9
University of North Carolina, Chapel Hill		1,121	1,080	41
University of North Carolina Medical School, Chapel Hill		156	150	6
Total	56	1,277	1,230	47
Temple University		1,097	793	304
Temple University School of Medicine		163	142	21
Total	57	1,260	935	325
Columbia University Teachers College		1,255	671	584
Total	58	1,255	671	584
University of Georgia		1,224	1,161	63
Total	59	1,224	1,161	63
Washington State University		1,204	1,026	178
Total	60	1,204	1,026	178
Cumulative Total		130,129	102,121	28,008

Table I-15.—Con.

Institution name	Rank	Graduate enrollment Total	Full-time	Part-time
University of Utah		1,114	863	251
University of Utah College of Medicine		89	85	4
Total	61	1,203	948	255
Johns Hopkins University		669	643	26
Johns Hopkins University School of Hygiene and Public Health;		430	355	75
Johns Hopkins University School of Medicine		89	89	0
Total	62	1,188	1,087	101
Oklahoma State University		1,181	983	198
Total	63	1,181	983	198
Georgia Institute of Technology		1,144	857	287
Total	64	1,144	857	287
St. Johns University, New York		1,141	462	679
Total	65	1,141	462	679
Northwestern University		1,025	961	64
Northwestern University Medical School		98	89	9
Total	66	1,123	1,050	73
Rensselaer Polytechnic Institute		1,111	727	384
Total	67	1,111	727	384
University of Kentucky		1,036	864	172
University of Kentucky College of Medicine		56	55	1
Total	68	1,092	919	173
Case Western Reserve University		849	602	247
Case Western Reserve University School of Medicine		237	223	14
Total	69	1,086	825	261
University of Nebraska		987	756	231
University of Nebraska College of Medicine		80	23	57
Total	70	1,067	779	288
Cumulative Total		141,465	110,758	30,707

Institution name	Rank	Graduate enrollment Total	Full-time	Part-time
Louisiana State University		1,002	855	147
Louisiana State University, New Orleans Medical School		53	47	6
Louisiana State University, Shreveport Medical School		7	7	0
Total	71	1,062	909	153
Florida State University		1,012	958	54
Total	72	1,012	958	54
California State University, San Diego		1,010	401	609
Total	73	1,010	401	609
State University of New York at Binghamton		1,005	550	455
Total	74	1,005	550	455
University of Virginia		876	772	104
University of Virginia School of Medicine		113	113	0
Total	75	989	885	104
Kansas State University		980	812	168
Total	76	980	812	168
University of Rochester		694	616	78
University of Rochester School of Medicine and Dentistry		280	258	22
Total	77	974	874	100
Princeton University		953	953	0
Total	78	953	953	0
University of Wisconsin-Milwaukee		950	646	304
Total	79	950	646	304
University of Houston		948	618	330
Total	80	948	618	330
Cumulative Total		151,348	118,365	32,983

53

Table I-15.—Con.

Institution name	Rank	Graduate enrollment Total	Full-time	Part-time
Newark College of Engineering		942	120	822
Total	81	942	120	822
University of California, San Diego		891	863	28
University of California, San Diego Medical School		47	47	0
Total	82	938	910	28
University of Akron		932	314	618
Total	83	932	314	618
University of Missouri, Rolla		926	491	435
Total	84	926	491	435
University of Rhode Island		914	626	288
Total	85	914	626	288
Washington University		815	685	130
Washington University School of Medicine		97	95	2
Total	86	912	780	132
West Virginia University		809	683	126
West Virginia University School of Medicine		101	87	14
Total	87	910	770	140
Duke University		689	634	55
Duke University School of Medicine		205	189	16
Total	88	894	823	71
University of California, Santa Barbara		890	784	106
Total	89	890	784	106
University of New Mexico		836	525	311
University of New Mexico School of Medicine		33	31	2
Total	90	869	556	313
Cumulative Total		160,475	124,536	35,937

Institution name	Rank	Graduate enrollment Total	Full-time	Part-time
Illinois Institute of Technology		866	426	440
Total	91	866	426	440
American University		858	206	652
Total	92	858	206	652
Naval Postgraduate School		852	852	0
Total	93	852	852	0
University of South Carolina		850	608	242
Total	94	850	608	242
University of Oregon		787	713	74
University of Oregon Medical School		44	44	0
Total	95	831	757	74
Southern Methodist University		829	349	480
Total	96	829	349	480
University of Delaware		782	449	333
Total	97	782	449	333
Boston University		752	529	223
Boston University School of Medicine		29	6	23
Total	98	781	535	246
Stevens Institute of Technology		775	145	630
Total	99	775	145	630
Texas Tech University		760	619	141
Total	100	760	619	141
Top 100 total		168,659	129,484	39,175
All other institutions, total		49,303	34,834	14,469
All institutions, total		217,962	164,318	53,644

54

APPENDIX II

Classification of Institutions in Survey

The 339 science doctorate institutions listed here may differ from similar listings published elsewhere for the following principal reasons: (1) Differences in classifying branches, affiliates, or other organizational components of university systems; (2) variations in definitions of science and engineering fields; (3) differences in the time period covered by the classification (e.g., single year or longer period); and (4) differences in classifications based on level of degree offered or level of degree granted respectively, in a particular period. Symbols behind each name refer to the following classifications: 1) "First 20" refer to institutions chosen most frequently by NSF Fellows from 1968 through 1973; 2) D—"Developing" institutions, those which granted science Ph.D.'s after 1960-61; 3) M—"Medical Schools"; 4) I—"Intermediate," all remaining institutions granting doctorates in science.

The institutions participating in the survey were classified as follows:

(1) *"First 20."* These institutions were selected by the most number of NSF Fellows during the period 1968-73. The NSF Graduate Fellowship Program awards its stipends to individuals who then select which graduate institutions they wish to attend. On the basis of this selection process, the number of Fellows in each year was totaled and the institutions were then placed in rank order.

(2) *Developing.* The 85 institutions that began awarding science Ph.D.'s in academic year 1960-61 were considered to be developing graduate institutions for this report. Data for this comparison were provided by the Office of Education.

(3) *Medical.* The 104 medical schools that awarded science Ph.D.'s separately from their parent institutions were tabulated in 1973 so that their characteristics could be examined for comparative purposes. Since data from medical schools were not as representative in 1972 as they were in 1973, this category cannot be as meaningfully analyzed as the other categories.

(4) *Intermediate.* The 130 remaining schools that supplied data for 1973 were termed "Intermediate."

ALABAMA

Auburn University-I
University of Alabama, Tuscaloosa-I
University of Alabama Medical School-M
University of Alabama, Birmingham-D

ALASKA

University of Alaska-I

ARIZONA

Arizona State University-D
University of Arizona-I
University of Arizona College of Medicine-M

ARKANSAS

University of Arkansas-I
University of Arkansas Medical School-M

CALIFORNIA

California Institute of Technology-First 20
California State University, San Diego-D
Claremont Graduate School and University Center-I
Loma Linda University-D
Loma Linda School of Medicine-M
Naval Postgraduate School-I
Stanford University-First 20
Stanford University School of Medicine-M
University of California, Berkeley-First 20
University of California, Davis-I
University of California, Davis Medical School-M
University of California, Irvine-D
University of California, Irvine Medical School-M
University of California, Los Angeles-First 20
University of California, Los Angeles Medical School-M
University of California, Riverside-D
University of California, San Diego-First 20
University of California, San Diego School of Medicine-M
University of California, San Francisco Medical School-M
University of California, Santa Barbara-D
University of California, Santa Cruz-D
University of the Pacific-D
University of Santa Clara-D
University of Southern California-I
University of Southern California Medical School-M
U.S. International University, California Western-D

COLORADO

Colorado School of Mines-I
Colorado State University-I
University of Colorado-I
University of Colorado Medical School-M
University of Denver-I
University of Northern Colorado-D

CONNECTICUT

University of Connecticut-I
University of Connecticut School of Medicine-M
Wesleyan University-D
Yale University-First 20
Yale University Medical School-M

DELAWARE

University of Delaware-I

DISTRICT OF COLUMBIA

American University-I
Catholic University-I
Georgetown University-I
Georgetown University Medical School-M
George Washington University-I
George Washington University Medical School-I
Howard University-I
Howard University Medical School-M

FLORIDA

Florida Institute of Technology-D
Florida State University-I
Nova University-D
University of Florida-I
University of Florida College of Medicine-M
University of Miami-I
University of Miami School of Medicine-M
University of South Florida-D

GEORGIA

Atlanta University-D
Emory University-I
Emory University School of Medicine-M
Georgia Institute of Technology-I
Georgia State University-D
Medical College of Georgia School of Medicine-M
University of Georgia-I

HAWAII

University of Hawaii-I
University of Hawaii School of Medicine-M

IDAHO

Idaho State University-D
University of Idaho-D

ILLINOIS

Depaul University-D
Illinois Institute of Technology-I
Illinois State University-D
Loyola University-I
Loyola University, Chicago Stritch Medical School-M
Northern Illinois University-D
Northwestern University-I
Northwestern University Medical School-M
Southern Illinois University-I
University of Chicago-First 20
University of Chicago Pritzker School of Medicine-M
University of Health Sciences, Chicago Medical School-M
University of Illinois, Chicago Circle-D
University of Illinois College of Medicine-M
University of Illinois, Urbana-First 20

INDIANA

Ball State University-D
Indiana State University-D
Indiana University-I
Indiana University School of Medicine-M
Purdue University-First 20
University of Notre Dame-I

IOWA

Iowa State University-I
University of Iowa-I
University of Iowa College of Medicine-M

KANSAS

Kansas State University-I
University of Kansas-I
University of Kansas School of Medicine-M
Wichita State University-D

KENTUCKY

University of Kentucky-I
University of Kentucky College of Medicine-M
University of Louisville-I
University of Louisville School of Medicine-I

LOUISIANA

Louisiana State University, Baton Rouge-I
Louisiana State University, New Orleans Medical School-M
Louisiana State University, Shreveport Medical School-M
Louisiana State University, New Orleans-D
Louisiana Technological University-D
Loyola University-D
Tulane University-I
Tulane University Medical School-M
University of Southwestern Louisiana-D

MAINE

University of Maine-I

MARYLAND

Johns Hopkins University-First 20
Johns Hopkins University School of Medicine-M
Johns Hopkins University School of Hygiene and Public Health-M
University of Maryland-I
University of Maryland School of Medicine-M

MASSACHUSETTS

Boston College-I
Boston University-I
Boston University School of Medicine-M
Brandeis University-I
Clark University-I
Harvard University-First 20
Harvard University Medical School-M
Lowell Technological Institute-D
Massachusetts College of Pharmacy-I
Massachusetts Institute of Technology-First 20
Northeastern University-D
Smith College-D
Tufts University-I
Tufts University School of Medicine-M
University of Massachusetts-I
University of Massachusetts Medical School-M
Woods Hole Oceanographic Institute-D
Worcester Polytechnic Institute-D

MICHIGAN

Michigan State University-I
Michigan State University College of Medicine-M
Michigan Technological University-D
University of Detroit-D
University of Michigan-First 20
University of Michigan Medical School-M
Wayne State University-I
Wayne State University School of Medicine-M
Western Michigan University-D

MINNESOTA

University of Minnesota-I
University of Minnesota, Minneapolis Medical School-M

MISSISSIPPI

Mississippi State University-I
University of Mississippi-I
University of Mississippi School of Medicine-M
University of Southern Mississippi-D

MISSOURI

St. Louis University-I
St. Louis University School of Medicine-M
University of Missouri, Columbia-I
University of Missouri, Columbia School of Medicine-M
University of Missouri, Kansas City-D
University of Missouri, Rolla-I
Washington University-I
Washington University School of Medicine-M

MONTANA

Montana State University-I
University of Montana-D

NEBRASKA

Creighton University School of Medicine-M
University of Nebraska-I
University of Nebraska College of Medicine-M

NEVADA

University of Nevada, Reno-D

NEW HAMPSHIRE

Dartmouth College-D
Dartmough Medical School-M
University of New Hampshire-I

NEW JERSEY

College of Medicine and Dentistry of New Jersey-M
Newark College of Engineering-D
Princeton University-First 20
Rutgers, The State University-I
Rutgers College of Medicine and Dentistry-M
Seton Hall University-D
Stevens Institute of Technology-I

NEW MEXICO

New Mexico Institute of Mining and Technology-D
New Mexico State University-I
University of New Mexico-I
University of New Mexico School of Medicine-M

NEW YORK

Adelphi University-I
Alfred University-I
City University of New York, Brooklyn College-D
City University of New York, City College-D
City University of New York Graduate Division-D
Clarkson College of Technology-D
Columbia University-First 20
Columbia University College of Pharmaceutical Sciences-I
Columbia University College of Physicians and Surgeons-M
Columbia University Teachers College-D
Cooper Union-D
Cornell University-First 20
Cornell University Medical School-M
Fordham University-I
Hofstra University-D
Mount Sinai School of Medicine, City University of New York-M
New School for Social Research-I
New York Medical College-M
New York University-I
New York University of Medicine-M
Polytechnic Institute of Brooklyn-I
Rensselaer Polytechnic Institute-I
Rockefeller University-First 20
St. Bonaventure University-I
St. Johns University-I
State University of New York at Albany-D
State University of New York at Binghamton-D
State University of New York at Buffalo-I
State University of New York at Buffalo, School of Medicine-M

New York—con.

State University of New York, College of Environmental Science and Forestry-I
State University of New York, Downstate Medical Center-M
State University of New York, Stony Brook-D
State University of New York, Stony Brook School of Medicine-M
State University of New York, Upstate College of Medicine-M
Syracuse University-I
Union College and University-I
Union University, Albany Medical College-M
University of Rochester-I
University of Rochester School of Medicine and Dentistry-M
Yeshiva University-I
Yeshiva University, Albert Einstein College of Medicine-M

NORTH CAROLINA

Duke University-I
Duke University School of Medicine-M
University of North Carolina, Chapel Hill-I
University of North Carolina, Greensboro-D
University of North Carolina Medical School-M
North Carolina State University, Raleigh-I
Wake Forest University-D
Wake Forest University, Bowman Gray School of Medicine-M

NORTH DAKOTA

North Dakota State University-D
University of North Dakota-I
University of North Dakota School of Medicine-M

OHIO

Air Force Institute of Technology-D
Bowling Green State University-D
Case Western Reserve University-I
Case Western Reserve University School of Medicine-M
Kent State University-D
Miami University-D
Ohio State University-I
Ohio State University College of Medicine-M
Ohio University-I
University of Akron-I
University of Cincinnati-I
University of Cincinnati College of Medicine-M
University of Dayton-D
University of Toledo-D

OKLAHOMA

Oklahoma State University-I
University of Oklahoma-I
University of Oklahoma College of Medicine-M
University of Tulsa-D

OREGON

Oregon Graduate Center-D
Oregon State University-I
Portland State University-D
University of Oregon-I
University of Oregon Medical School-M
University of Portland-I

PENNSYLVANIA

Bryn Mawr College-I
Carnegie-Mellon University-I
Drexel University-D
Duquesne University-I
Hahnemann Medical College and Hospital-M
Jefferson Medical College of Thomas Jefferson University-M
Lehigh University-I
The Medical College of Pennsylvania-M
Pennsylvania State University-I
Pennsylvania State University College of Medicine-M
Philadelphia College of Pharmacy and Science-I
Temple University-I
Temple University School of Medicine-M
University of Pennsylvania-First 20
University of Pennsylvania School of Medicine-M
University of Pittsburgh-I
University of Pittsburgh School of Medicine-M
Villanova University-D

RHODE ISLAND

Brown University-I
Brown University Division of Biological and Medical Sciences-M
Providence College-D
University of Rhode Island-I

SOUTH CAROLINA

Clemson University-D
Medical University of South Carolina College of Medicine-M
University of South Carolina-I

SOUTH DAKOTA

South Dakota School of Mines and Technology-D
South Dakota State University-I
University of South Dakota-I
University of South Dakota School of Medicine-M

TENNESSEE

George Peabody College-I
Memphis State University-D
Meharry College School of Medicine-M
University of Tennessee-I
University of Tennessee College of Medicine-M
Vanderbilt University-I
Vanderbilt University School of Medicine-M

TEXAS

Baylor University-I
Baylor College of Medicine-M
North Texas State University-D
Rice University-I
Southern Methodist University-D
Texas A&M University-I
Texas Christian University-D
Texas Tech University-I
Texas Woman's University-D
University of Houston-I
University of Texas, Arlington-D
University of Texas, Austin-I
University of Texas, Dallas-D
University of Texas, Houston Medical School-M
University of Texas Medical Branch, Galveston-M
University of Texas, San Antonio Medical School-M
University of Texas Southwestern Medical School-M

UTAH

Brigham Young University-I
University of Utah-I
University of Utah College of Medicine-M
Utah State University-I

VERMONT

University of Vermont-D
University of Vermont College of Medicine-M

VIRGINIA

College of William and Mary-D
Institute of Textile Technology-D
University of Virginia-I
University of Virginia School of Medicine-M
Virginia Commonwealth University-I
Virginia Commonwealth University Medical College of Virginia-M
Virginia Polytechnic Institute-I

WASHINGTON

University of Washington-First 20
University of Washington School of Medicine-M
Washington State University-I

WEST VIRGINIA

West Virginia University-I
West Virginia University School of Medicine-M

WISCONSIN

Lawrence University Institute of Paper Chemistry-I
Marquette University-I
Medical College of Wisconsin-M
University of Wisconsin, Madison-First 20
University of Wisconsin Medical School-M
University of Wisconsin-Milwaukee-I

WYOMING

University of Wyoming-I

PUERTO RICO

University of Puerto Rico School of Medicine-M
University of Puerto Rico, Rio Piedras-D

59

APPENDIX III

A Listing of Statistical Tables

A-1 through A-33: All Graduate Departments, 1973

B-1 through B-33: Doctorate Departments, 1973 .....

C-1 through C-16: All Graduate Departments, [illegible]1-73

D-1 through D-13: All Full-Time Graduate Students, 1972 and 1973 .....

E-1 through D-13: Full-Time Graduate Students in Doctorate Departments, 1972 and 1973 .....

ALL GRADUATE DEPARTMENTS, 1973

A-1. Graduate students in all graduate departments, by field of science and enrollment status, 1973 .....

A-2. Graduate students in all graduate departments, by field of science, enrollment status, and level of study, 1973 ....

A-3. Graduate students in all graduate departments, by field of science, control of institution, and level of study, 1973

A-4. Full-time graduate students in all graduate departments, by field of science, control of institution, and level of study, 1973

A-5. Part-time graduate students in all graduate departments, by field of science, control of institution, and level of study, 1973

A-6. Graduate students in all graduate departments, by State, enrollment status, and source of major support, 1973

A-7. Full-time graduate students in all graduate departments, by field of science, and citizenship, 1973 .....

A-8. Full-time graduate students in all graduate departments, by field of science and sex of student, 1973 .....

A-9. Full-time graduate students in all graduate departments, by field of science, sex of student, and level of study, 1973

A-10. Full-time graduate students in all graduate departments, by field of science and type of major support, 1973 .....

A-11. First-year full-time graduate students in all graduate departments, by field of science and type of major support, 1973

A-12. Full-time graduate students beyond their first year in all graduate departments, by field of science and type of major support, 1973 .....

A-13. Full-time graduate students in all graduate departments, by area of science, citizenship, and type of major support, 1973 .....

A-14. Full-time graduate students in all graduate departments, by source of major support and area of science, 1973

A-15. First-year full-time graduate students in all graduate departments, by source of major support and area of science, 1973

A-16. Full-time graduate students beyond their first year in all graduate departments, by source of major support and area of science, 1973 .....

A-17. Full-time graduate students in all graduate departments, by source of major support, area of science, and sex of student, 1973 .....

A-18. Full-time graduate students in all departments, by source and type of major support, 1973 .....

A-19. First-year full-time graduate students in all graduate departments, by source and type of major support, 1973 .....

A-20. Full-time graduate students beyond their first year in all graduate departments, by source and type of major support, 1973

A-21. Full-time graduate students in all graduate departments of publicly controlled institutions, by source and type of major support, 1973 .....

A-22. First-year full-time graduate students in all graduate departments of publicly controlled institutions, by source and type of major support, 1973 .....

A-23. Full-time graduate students beyond their first year in all graduate departments of publicly controlled institutions, by source and type of major support, 1973 .....

A-24. Full-time graduate students in all graduate departments of privately controlled institutions, by source and type of major support, 1973 .....

A-25. First-year full-time graduate students in all graduate departments of privately controlled institutions, by source and type of major support, 1973 .....

A-26. Full-time graduate students beyond their first year in all graduate departments of privately controlled institutions, by source and type of major support, 1973

A-27. Full-time students in all graduate departments supported by U. S. Government sources, by field of science and Federal agency, 1973 .....

A-28. First-year full-time graduate students in all graduate departments supported by U. S. Government sources, by field of science and Federal agency, 1973 .....

A-29. Full-time graduate students beyond their first year in all graduate departments supported by U. S. Government sources, by field of science and Federal agency, 1973 .....

A-30. Full-time graduate students in all graduate departments supported by non-U. S. Government sources, by field of science, 1973 .....

A-31. First-year full-time graduate students in all graduate departments supported by non-U. S. Government sources, by field of science, 1973 .....

A-32. Full-time graduate students beyond their first year in all graduate departments supported by non-U. S. Government sources, by field of science, 1973
A-33. Postdoctorals in all graduate departments, by field of science and source of support, 1973 .....

DOCTORATE DEPARTMENTS, 1973

B-1. Graduate students in doctorate departments, by field of science and enrollment status, 1973 .....
B-2. Graduate students in doctorate departments, by field of science, enrollment status, and level of study, 1973 .....
B-3. Graduate students in doctorate departments, by field of science, control of institution, and level of study, 1973
B-4. Full-time graduate students in doctorate departments, by field of science, control of institution, and level of study, 1973
B-5. Part-time graduate students in doctorate departments, by field of science, control of institution, and level of study, 1973
B-6. Graduate students in doctorate departments, by State, enrollment status, and source of major support, 1973 .....
B-7. Full-time graduate students in doctorate departments, by field of science and citizenship, 1973 .....
B-8. Full-time graduate students in doctorate departments, by field of science and sex of student, 1973 .....
B-9. Full-time graduate students in doctorate departments, by field of science, sex of student, and level of study, 1973 .....
B-10. Full-time graduate students in doctorate departments, by field of science and type of major support, 1973 .....
B-11. First-year full-time graduate students in doctorate departments, by field of science and type of major support, 1973 .....
B-12. Full-time graduate students beyond their first year in doctorate departments, by field of science and type of major support, 1973 .....
B-13. Full-time graduate students in doctorate departments, by area of science, citizenship, and type of major support, 1973
B-14. Full-time graduate students in doctorate departments, by source of major support and area of science, 1973 .....
B-15. First-year full-time graduate students in doctorate departments, by source of major support and area of science, 1973 .....
B-16. Full-time graduate students beyond their first year in doctorate departments, by source of major support and area of science, 1973 .....
B-17. Full-time graduate students in doctorate departments, by source of major support, area of science, and sex of student, 1973 .....
B-18. Full-time graduate students in doctorate departments, by source and type of major support, 1973 .....
B-19. First-year full-time graduate students in doctorate departments, by source and type of major support, 1973 .....
B-20. Full-time graduate students beyond their first year in doctorate departments, by source and type of major support, 1973
B-21. Full-time graduate students in doctorate departments of publicly controlled institutions, by source and type of major support, 1973 .....
B-22. First-year full-time graduate students in doctorate departments of publicly controlled institutions, by source and type of major support, 1973 .....
B-23. Full-time graduate students beyond their first year in doctorate departments of publicly controlled institutions, by source and type of major support, 1973 .....
B-24. Full-time graduate students in doctorate departments of privately controlled institutions, by source and type of major support, 1973 .....
B-25. First-year graduate students in doctorate departments of privately controlled institutions, by source of major support, 1973
B-26. Full-time graduate students beyond their first year in doctorate departments of privately controlled institutions, by source and type of major support, 1973
B-27. Full-time graduate students in doctorate departments supported by U. S. Government sources, by field of science and Federal agency, 1973 .....
B-28. First-year full-time graduate students in doctorate departments supported by U. S. Government sources, by field of science and Federal agency, 1973 .....
B-29. Full-time doctorate students beyond their first year in doctorate departments supported by U. S. Government sources, by field of science and Federal agency, 1973 .....
B-30. Full-time students in doctorate departments supported by non-U. S. Government sources, by field of science, 1973
B-31. First-year full-time graduate students in doctorate departments supported by non-U. S. Government sources, by field of science, 1973 .....
B-32. Full-time graduate students beyond their first year in doctorate departments supported by non-U. S. Government sources, by field of science, 1973 .....
B-33. Postdoctorals in doctorate departments, by field of science and source of support, 1973 .....

ALL GRADUATE DEPARTMENTS, 1971-73

C-1. Graduate students in all graduate departments, by field of science and enrollment status, 1971-73 .....
C-2. Graduate students in all graduate departments, by field of science and level of study, 1971-73 .....
C-3. Graduate students in all graduate departments in publicly controlled institutions, by field of science and level of study, 1971-73 .....
C-4. Graduate students in all graduate departments in privately controlled institutions, by field of science and level of study, 1971-73 .....
C-5. Full-time graduate students in all graduate departments, by field of science and level of study, 1971-73 .....
C-6. Full-time graduate students in all graduate departments in publicly controlled institutions, by field of science and level of study, 1971-73 .....
C-7. Full-time graduate students in all graduate departments in privately controlled institutions, by field of science and level of study, 1971-73 .....
C-8. Part-time graduate students in all graduate departments, by field of science and level of study, 1971-73 .....
C-9. Part-time graduate students in all graduate departments in publicly controlled institutions, by field of science and level of study, 1971-73 .....
C-10. Part-time graduate students in all graduate departments in privately controlled institutions, by field of science and level of study, 1971-73 .....
C-11. Full time graduate students in all graduate departments, by field of science and source of support, 1971-73 .....
C-12. Full-time graduate students in all graduate departments in publicly controlled institutions, by field of science and source of support, 1971-73 .....

C-13. Full-time graduate students in all graduate departments in privately controlled institutions, by field of science and source of support, 1971-73 .....
C-14. Postdoctorals in all graduate departments, by field of science, 1971-73
C-15. Postdoctorals in all graduate departments, in publicly controlled institutions, by field of science, 1971-73 .....
C-16. Postdoctorals in all graduate departments, in privately controlled institutions, by field of science, 1971-73

ALL FULL-TIME GRADUATE STUDENTS, 1972 AND 1973

D-1. Full-time graduate students in all graduate departments by field of science and type of major support, 1972 and 1973
D-2. Full-time graduate students in publicly controlled institutions, by field of science and type of major support, 1972 and 1973 .....
D-3. Full-time graduate students in all graduate departments in privately controlled institutions, by field of science and type of major support, 1972 and 1973 .....
D-4. First-year full-time graduate students in all graduate departments, by field of science and type of major support, 1972 and 1973 .....
D-5. Full-time graduate students beyond their first year in all graduate departments, by field of science and type of major support, 1972 and 1973 .....
D-6. Full-time U.S. citizen graduate students in all graduate departments, by field of science and type of major support, 1972 and 1973 .....
D-7. Full-time foreign graduate students in all graduate departments, by field of science and type of major support, 1972 and 1973 .....
D-8. Full-time graduate students in all graduate departments, by source and type of major support, 1972 and 1973 .....
D-9. Full-time graduate students in all graduate departments, by source and type of major support and control of institution, 1972 and 1973 .....
D-10A. Full-time graduate students in all graduate departments, by source and type of major support and citizenship, 1972 and 1973 .....
D-10B. Full-time graduate students in engineering graduate departments, by source and type of major support and citizenship, 1972 and 1973 .....
D-10C. Full-time graduate students in physical science graduate departments, by source and type of major support and citizenship, 1972 and 1973 .....
D-10D. Full-time graduate students in mathematical science graduate departments, by source and type of major support and citizenship, 1972 and 1973 .....
D-10E. Full-time graduate students in life science graduate departments, by source and type of major support and citizenship, 1972 and 1973 .....
D-10F. Full-time graduate students in psychology graduate departments, by source and type of major support and citizenship, 1972 and 1973 .....
D-10G. Full-time graduate students in social science graduate departments, by source and type of major support and citizenship, 1972 and 1973 .....
D-10H. Full-time graduate students in all other sciences, nec, graduate departments, by source and type of major support and citizenship, 1972 and 1973 .....
D-11. Full-time graduate students in all graduate departments, by level of study, control of institution, and type of major support, 1972 and 1973 .....
D-12. Full-time graduate students in all graduate departments, by level of study, citizenship, and type of major support, 1972 and 1973 .....
D-13. Full-time graduate students in all graduate departments, by area of science, level of study, and type of institution, 1972 and 1973 .....

FULL-TIME GRADUATE STUDENTS IN DOCTORATE DEPARTMENTS, 1972 AND 1973

E-1. Full-time graduate students in doctorate departments, by field of science and type of major support, 1972 and 1973 .....
E-2. Full-time graduate students in doctorate departments in publicly controlled institutions, by field of science and type of major support, 1972 and 1973 .....
E-3. Full-time graduate students in doctorate departments in privately controlled institutions, by field of science and type of major support, 1972 and 1973 .....
E-4. First-year full-time graduate students in doctorate departments, by field of science and type of major support, 1972 and 1973 .....
E-5. Full-time graduate students beyond their first year in doctorate departments, by field of science and type of major support, 1972 and 1973 .....
E-6. Full-time U. S. citizen graduate students in doctorate departments, by field of science and type of major support, 1972 and 1973 .....
E-7. Full-time foreign graduate students in doctorate departments, by field of science and type of major support, 1972 and 1973 .....
E-8. Full-time graduate students in doctorate departments, by source and type of major support, 1972 and 1973 .....
E-9. Full-time graduate students in doctorate departments, by source and type of major support and control of institution, 1972 and 1973 .....
E-10A. Full-time graduate students in doctorate departments, by source and type of major support and citizenship, 1972 and 1973 .....
E-10B. Full-time graduate students in engineering doctorate departments, by source and type of major support and citizenship, 1972 and 1973 .....
E-10C. Full-time graduate students in physical science doctorate departments, by source and type of major support and citizenship, 1972 and 1973 .....
E-10D. Full-time graduate students in mathematical science doctorate departments, by source and type of major support and citizenship, 1972 and 1973
E-10E. Full-time graduate students in life science doctorate departments, by source and type of major support and citizenship, 1972 and 1973 .....
E-10F. Full-time graduate students in psychology doctorate departments, by source and type of major support and citizenship, 1972 and 1973 .....
E-10G. Full-time graduate students in social science doctorate departments, by source and type of major support and citizenship, 1972 and 1973 .....
E-10H. Full-time graduate students in all other sciences, nec, doctorate departments, by source and type of major support and citizenship, 1972 and 1973 .....
E-11. Full-time graduate students in all doctorate departments, by level of study, control of institution, and type of major support, 1972 and 1973 .....
E-12. Full-time graduate students in all doctorate departments, by level of study, 1972 and 1973 .....
E-13. Full-time graduate students in all doctorate departments, by area of science, level of study, and type of institution, 1972 and 1973 .....

ERRATA SHEET

For each table listed below, data for the field Social Sciences, NEC have been inadvertently omitted and should be inserted beneath the line for Sociology and Anthropology. The omitted data are given below for each appropriate table; they are already included in the area subtotal for Social Sciences.

Table A-1.	313	.2	297	94.9	16	5.1									
Table A-2.	297	142	47.8	155	52.2	16	3	18.8	13	81.2					
Table A-3.	48	9	18.8	39	81.2	265	136	51.3	129	48.7					
Table A-4.	46	9	19.6	37	80.4	251	133	53.0	118	47.0					
Table A-5.	2	0	0.0	2	100.0	14	3	21.4	11	78.6					
Table A-7.	297	.2	282	94.9	15	5.1									
Table A-8.	297	.2	212	71.4	85	28.6									
Table A-9.	212	118	55.7	94	44.3	85	24	28.2	61	71.8					
Table A-10.	297	.2	126	42.4	5	1.7	5	1.7	161	54.2					
Table A-11.	142	.3	31	21.8	1	.7	0	0.0	110	77.5					
Table A-12.	155	.1	95	61.3	4	2.6	5	3.2	51	32.9					
Table A-27.	58	0	0	35	1	20	14	0	0	23					
Table A-28.	20	0	0	1	0	0	1	0	0	19					
Table A-29.	38	0	0	34	1	20	13	0	0	4					
Table A-30.	239	60	5	21	153										
Table A-31.	122	6	0	9	107										
Table A-32.	117	54	5	12	46										
Table A-33.	5	0.0	1	20.0	4	80.0									
Table B-1.	313	.2	297	94.9	16	5.1									
Table B-2.	297	142	47.8	155	52.2	16	3	18.8	13	81.2					
Table B-3.	48	9	18.8	39	81.2	265	136	51.3	129	48.7					
Table B-4.	46	9	19.6	37	80.4	251	133	53.0	118	47.0					
Table B-5.	2	0	0.0	2	100.0	14	3	21.4	11	78.6					
Table B-7.	297	.2	282	94.9	15	5.1									
Table B-8.	297	.2	212	71.4	85	28.6									
Table B-9.	212	118	55.7	94	44.3	85	24	28.2	61	71.8					
Table B-10.	297	.2	126	42.4	5	1.7	5	1.7	161	54.2					
Table B-11.	142	.3	31	21.8	1	.7	0	0.0	110	77.5					
Table B-12.	155	.2	95	61.3	4	2.6	5	3.2	51	32.9					
Table B-27.	58	0	0	35	1	20	14	0	0	23					
Table B-28.	20	0	0	1	0	0	1	0	0	19					
Table B-29.	38	0	0	34	1	20	13	0	0	4					
Table B-30.	239	60	5	21	153										
Table B-31.	122	6	0	9	107										
Table B-32.	117	54	5	12	46										
Table B-33.	5	0.0	1	20.0	4	80.0									
Table C-1.	90	93	77	3.3	-17.2	84	85	74	1.2	-12.9	6	8	3	*	*
Table C-2.	26	19	12	*	*	64	74	65	15.6	-12.2					
Table C-3.	17	11	9	*	*	31	40	39	*	*					
Table C-4.	9	8	3	*	*	33	34	26	*	*					
Table C-5.	23	19	12	*	*	61	66	62	8.2	-6.1					
Table C-6.	14	11	9	*	*	28	33	37	*	*					
Table C-7.	9	8	3	*	*	33	33	25	*	*					
Table C-8.	3	0	0	*	*	3	8	3	*	*					
Table C-9.	3	0	0	*	*	3	7	2	*	*					
Table C-10.	0	0	0	*	*	0	1	1	*	*					
Table C-11.	28	22	17	*	*	56	63	57	12.5	-9.5					
Table C-12.	18	15	12	*	*	24	29	34	*	*					
Table C-13.	10	7	5	*	*	32	34	23	*	*					
Table C-14.	0	2	5	*	*	0	2	0	*	*					
Table C-15.	0	1	5	*	*	0	1	0	*	*					
Table C-16.	0	1	0	*	*	0	1	0	*	*					
Table D-1.	85	74	-12.9	65	46	-29.2	9	3	*	0	5	*	11	20	*
Table D-2.	44	46	*	25	24	*	9	3	*	0	5	*	10	14	*
Table D-3.	41	28	*	40	22	*	0	0	*	0	0	*	1	6	*
Table D-4.	19	12	*	12	4	*	3	1	*	0	0	*	4	7	*
Table D-5.	66	62	-6.1	53	42	-20.8	6	2	*	0	5	*	7	13	*
Table D-6.	84	71	-15.5	64	43	-32.8	9	3	*	0	5	*	11	20	*
Table D-7.	1	3	*	1	3	*	0	0	*	0	0	*	0	0	*
Table E-1.	85	74	-12.9	65	46	-29.2	9	3	*	0	5	*	11	20	*
Table E-2.	44	46	*	25	24	*	9	3	*	0	5	*	10	14	*
Table E-3.	41	28	*	40	22	*	0	0	*	0	0	*	1	6	*
Table E-4.	19	12	*	12	4	*	3	1	*	0	0	*	4	7	*
Table E-5.	66	62	-6.1	53	42	-20.8	6	2	*	0	5	*	7	13	*
Table E-6.	84	71	-15.5	64	43	-32.8	9	3	*	0	5	*	11	20	*
Table E-7.	1	3	*	1	3	*	0	0	*	0	0	*	0	0	*

NOTES

The Survey of Graduate Science Student Support was conducted by the National Science Foundation for the first time in 1972. It was designed to replace a data source no longer available—applications to the Graduate Traineeship Program which was phased out in 1971. The Division of Science Resources Studies designed the 1972 survey, as well as the current 1973 survey, so that trends based on statistics collected earlier could be maintained. Definitions and instructions remained the same as in the earlier program, although coverage was expanded to include all science and engineering graduate departments. In 1973, the survey instrument was broadened further to provide additional information on major sources of support to full-time graduate students according to their level of study. Also, coverage was improved by intensive followup with the basic medical and clinical science departments.

The tables presented in this appendix represent the detailed statistical findings which will be analyzed in a report to be published by the Division of Science Resources Studies later in 1974. Requests for copies of the analytical report should be addressed to the Superintendent of Documents, U.S. Government Printing Office, referring to NSF 74-318.

- The statistics for Fall 1973 shown in this appendix were provided by 339 institutions of higher education as part of the Survey of Graduate Science Student Support; only institutions granting doctorate degrees in science and engineering were surveyed.
- The survey achieved 100-percent response rate. The graduate and medical school deans of the 339 institutions returned 6,559 Departmental Data Sheets representing 876 master's and 5,683 doctorate science and engineering departments.
- "Graduate departments" refers to the total of all master's and doctorate departments in institutions granting the doctorate degree in science and engineering.
- The term "science" is understood to include engineering.
- The phrase "graduate enrollment" refers to the total of full- and part-time graduate science students.
- In 1973, the survey was expanded to include all clinical and medical departments at the request of the National Institutes of Health.
- Trend statistics for the period 1971-73 are shown for 4,112 matched graduate departments that participated in each survey. Data for these 4,112 departments are tabulated as a subset of the 1973 survey to preserve comparability in the time series.
- Details shown in statistical tables may not add to totals because of rounding.

TABLE A-1. GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS, BY FIELD OF SCIENCE AND ENROLLMENT STATUS, 1973

AREA AND FIELD OF SCIENCE	TOTAL		FULL TIME		PART TIME	
	NUMBER	PERCENT DISTRIBUTION	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL
TOTAL, ALL FIELDS OF SCIENCE	217962	100.0	164318	75.4	53644	24.6
ENGINEERING	52251	24.0	31702	60.7	20549	39.3
AERONAUTICAL	1514	.7	1150	76.0	364	24.0
AGRICULTURAL	669	.3	573	85.7	96	14.3
CHEMICAL	4276	2.0	3065	71.7	1211	28.3
CIVIL	8538	3.9	5338	62.5	3200	37.5
ELECTRICAL	13439	6.2	7229	53.8	6210	46.2
ENGINEERING SCIENCE	2084	1.0	1466	70.3	618	29.7
INDUSTRIAL	6117	2.8	3191	52.2	2926	47.8
MECHANICAL	7203	3.3	4278	59.4	2925	40.6
METALLURGICAL AND MATERIALS	2055	.9	1638	79.7	417	20.3
MINING	331	.2	299	90.3	32	9.7
NUCLEAR	1267	.6	956	75.5	311	24.5
PETROLEUM	223	.1	192	86.1	31	13.9
ENGINEERING, NEC	4535	2.1	2327	51.3	2208	48.7
PHYSICAL SCIENCES	32973	15.1	28465	86.3	4508	13.7
ASTRONOMY	627	.3	566	90.3	61	9.7
ATMOSPHERIC SCIENCES	942	.4	833	88.4	109	11.6
CHEMISTRY	13369	6.1	11536	86.3	1833	13.7
GEOSCIENCES	6120	2.8	5186	84.7	934	15.3
OCEANOGRAPHY	1708	.8	1368	80.1	340	19.9
PHYSICS	10207	4.7	8976	87.9	1231	12.1
MATHEMATICAL SCIENCES	18535	8.5	12762	68.9	5773	31.1
APPLIED MATHEMATICS	4890	2.2	2998	61.3	1892	38.7
MATHEMATICS	11930	5.5	8432	70.7	3498	29.3
STATISTICS	1715	.8	1332	77.7	383	22.3
LIFE SCIENCES	47614	21.8	41021	86.2	6593	13.8
AGRICULTURE	7721	3.5	6851	88.7	870	11.3
ANATOMY	962	.4	870	90.4	92	9.6
BIOCHEMISTRY	3460	1.6	3253	94.0	207	6.0
BIOLOGY	6219	2.9	4851	78.0	1368	22.0
BIOMETRY AND BIOSTATISTICS	340	.2	275	80.9	65	19.1
BIOPHYSICS	741	.3	708	95.5	33	4.5
BIOSCIENCES, NEC	2810	1.3	2314	82.3	496	17.7
BOTANY	2531	1.2	2246	88.7	285	11.3
CELL BIOLOGY	499	.2	484	97.0	15	3.0
ECOLOGY	486	.2	443	91.2	43	8.8
ENTOMOLOGY AND PARASITOLOGY	1234	.6	1063	86.1	171	13.9
GENETICS	720	.3	672	93.3	48	6.7
MICROBIOLOGY	3272	1.5	2938	89.8	334	10.2
NUTRITION	1964	.9	1717	87.4	247	12.6
PATHOLOGY	867	.4	746	86.0	121	14.0
PHARMACOLOGY	1351	.6	1265	93.6	86	6.4
PHYSIOLOGY	2113	1.0	1905	90.2	208	9.8
ZOOLOGY	3684	1.7	3281	89.1	403	10.9
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	6640	3.0	5139	77.4	1501	22.6
PSYCHOLOGY	18020	8.3	14802	82.1	3218	17.9
SOCIAL SCIENCES	48214	22.1	35433	73.5	12781	26.5
AGRICULTURAL ECONOMICS	1582	.7	1375	86.9	207	13.1
ANTHROPOLOGY	5142	2.4	4164	81.0	978	19.0
ECONOMICS (EXCEPT AGRICULTURE)	9509	4.4	6993	73.5	2516	26.5
GEOGRAPHY	2712	1.2	1947	71.8	765	28.2
HISTORY AND PHILOSOPHY OF SCIENCE	3105	1.4	2406	77.5	699	22.5
LINGUISTICS	2901	1.3	2243	77.3	658	22.7
POLITICAL SCIENCE	11637	5.3	7720	66.3	3917	33.7
SOCIOLOGY	10518	4.8	7708	73.3	2810	26.7
SOCIOLOGY AND ANTHROPOLOGY	795	.4	580	73.0	215	27.0
ALL OTHER SCIENCES, NEC	355	.2	133	37.5	222	62.5

TABLE A-2. GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS, BY FIELD OF SCIENCE, ENROLLMENT STATUS, AND LEVEL OF STUDY, 1973

AREA AND FIELD OF SCIENCE	FULL TIME					PART TIME				
		FIRST YEAR		BEYOND FIRST YEAR			FIRST YEAR		BEYOND FIRST YEAR	
	TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL
TOTAL, ALL FIELDS OF SCIENCE	164318	55846	34.0	108472	66.0	53644	20378	38.0	33266	62.0
ENGINEERING	31702	13535	42.7	18167	57.3	20549	9645	46.9	10904	53.1
AERONAUTICAL	1150	389	33.8	761	66.2	364	134	36.8	230	63.2
AGRICULTURAL	573	220	38.4	353	61.6	96	20	20.8	76	79.2
CHEMICAL	3065	1161	37.9	1904	62.1	1211	424	35.0	787	65.0
CIVIL	5338	2866	53.7	2472	46.3	3200	1325	41.4	1875	58.6
ELECTRICAL	7229	3130	43.3	4099	56.7	6210	3358	54.1	2852	45.9
ENGINEERING SCIENCE	1466	488	33.3	978	66.7	618	380	61.5	238	38.5
INDUSTRIAL	3191	1485	46.5	1706	53.5	2926	1345	46.0	1581	54.0
MECHANICAL	4278	1821	42.6	2457	57.4	2925	1393	47.6	1532	52.4
METALLURGICAL AND MATERIALS	1638	523	31.9	1115	68.1	417	120	28.8	297	71.2
MINING	299	117	39.1	182	60.9	32	6	18.7	26	81.3
NUCLEAR	956	360	37.7	596	62.3	311	102	32.8	209	67.2
PETROLEUM	192	81	42.2	111	57.8	31	12	38.7	19	61.3
ENGINEERING, NEC	2327	894	38.4	1433	61.6	2208	1026	46.5	1182	53.5
PHYSICAL SCIENCES	28465	7726	27.1	20739	72.9	4508	1084	24.0	3424	76.0
ASTRONOMY	566	132	23.3	434	76.7	61	14	23.0	47	77.0
ATMOSPHERIC SCIENCES	833	272	32.7	561	67.3	109	21	19.3	88	80.7
CHEMISTRY	11536	3050	26.4	8486	73.6	1833	494	27.0	1339	73.0
GEOSCIENCES	5186	1797	34.7	3389	65.3	934	192	20.6	742	79.4
OCEANOGRAPHY	1368	343	25.1	1025	74.9	340	91	26.8	249	73.2
PHYSICS	8976	2132	23.8	6844	76.2	1231	272	22.1	959	77.9
MATHEMATICAL SCIENCES	12762	4395	34.4	8367	65.6	5773	2626	45.5	3147	54.5
APPLIED MATHEMATICS	2998	1138	38.0	1860	62.0	1892	931	49.2	961	50.8
MATHEMATICS	8432	2834	33.6	5598	66.4	3498	1558	44.5	1940	55.5
STATISTICS	1332	423	31.8	909	68.2	383	137	35.8	246	64.2
LIFE SCIENCES	41021	13696	33.4	27325	66.6	6593	2376	36.0	4217	64.0
AGRICULTURE	6851	2540	37.1	4311	62.9	870	166	19.1	704	80.9
ANATOMY	870	264	30.3	606	69.7	92	21	22.8	71	77.2
BIOCHEMISTRY	3253	833	25.6	2420	74.4	207	49	23.7	158	76.3
BIOLOGY	4851	1650	34.0	3201	66.0	1368	487	35.6	881	64.4
BIOMETRY AND BIOSTATISTICS	275	109	39.6	166	60.4	65	20	30.8	45	69.2
BIOPHYSICS	708	153	21.6	555	78.4	33	8	24.2	25	75.8
BIOSCIENCES, NEC	2314	803	34.7	1511	65.3	496	195	39.3	301	60.7
BOTANY	2246	654	29.1	1592	70.9	285	50	17.5	235	82.5
CELL BIOLOGY	484	126	26.0	358	74.0	15	8	53.3	7	46.7
ECOLOGY	443	141	31.8	302	68.2	43	12	27.9	31	72.1
ENTOMOLOGY AND PARASITOLOGY	1063	284	26.7	779	73.3	171	20	11.7	151	88.3
GENETICS	672	151	22.5	521	77.5	48	18	37.5	30	62.5
MICROBIOLOGY	2938	913	31.1	2025	68.9	334	117	35.0	217	65.0
NUTRITION	1717	613	35.7	1104	64.3	247	104	42.1	143	57.9
PATHOLOGY	746	271	36.3	475	63.7	121	38	31.4	83	68.6
PHARMACOLOGY	1265	341	27.0	924	73.0	86	30	34.9	56	65.1
PHYSIOLOGY	1905	577	30.3	1328	69.7	208	75	36.1	133	63.9
ZOOLOGY	3281	917	27.9	2364	72.1	403	50	12.4	353	87.6
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	5139	2356	45.8	2783	54.2	1501	908	60.5	593	39.5
PSYCHOLOGY	14802	4199	28.4	10603	71.6	3218	669	20.8	2549	79.2
SOCIAL SCIENCES	35433	12220	34.5	23213	65.5	12781	3892	30.5	8889	69.5
AGRICULTURAL ECONOMICS	1375	451	32.8	924	67.2	207	28	13.5	179	86.5
ANTHROPOLOGY	4164	1234	29.6	2930	70.4	978	206	21.1	772	78.9
ECONOMICS (EXCEPT AGRICULTURE)	6993	2477	35.4	4516	64.6	2516	712	28.3	1804	71.7
GEOGRAPHY	1947	724	37.2	1223	62.8	765	176	23.0	589	77.0
HISTORY AND PHILOSOPHY OF SCIENCE	2406	671	27.9	1735	72.1	699	157	22.5	542	77.5
LINGUISTICS	2243	815	36.3	1428	63.7	658	172	26.1	486	73.9
POLITICAL SCIENCE	7720	2935	38.0	4785	62.0	3917	1556	39.7	2361	60.3
SOCIOLOGY	7708	2536	32.9	5172	67.1	2810	804	28.6	2006	71.4
SOCIOLOGY AND ANTHROPOLOGY	580	235	40.5	345	59.5	215	78	36.3	137	63.7
ALL OTHER SCIENCES, NEC	133	75	56.4	58	43.6	222	86	38.7	136	61.3

TABLE A-3. GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS, BY FIELD OF SCIENCE, CONTROL OF INSTITUTION, AND LEVEL OF STUDY, 1973

AREA AND FIELD OF SCIENCE	PUBLIC					PRIVATE				
	TOTAL	FIRST YEAR		BEYOND FIRST YEAR		TOTAL	FIRST YEAR		BEYOND FIRST YEAR	
		NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL		NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL
TOTAL, ALL FIELDS OF SCIENCE	151830	53263	35.1	98567	64.9	66132	22961	34.7	43171	65.3
ENGINEERING	32571	14201	43.6	18370	56.4	19680	8979	45.6	10701	54.4
AERONAUTICAL	1039	361	34.7	678	65.3	475	162	34.1	313	65.9
AGRICULTURAL	628	217	34.6	411	65.4	41	23	56.1	18	43.9
CHEMICAL	2912	1039	35.7	1873	64.3	1364	546	40.0	818	60.0
CIVIL	5994	2939	49.0	3055	51.0	2544	1252	49.2	1292	50.8
ELECTRICAL	7454	3372	45.2	4082	54.8	5985	3116	52.1	2869	47.9
ENGINEERING SCIENCE	1524	713	46.8	811	53.2	560	155	27.7	405	72.3
INDUSTRIAL	3200	1511	47.2	1689	52.8	2917	1319	45.2	1598	54.8
MECHANICAL	4694	2018	43.0	2676	57.0	2509	1196	47.7	1313	52.3
METALLURGICAL AND MATERIALS	1267	387	30.5	880	69.5	788	256	32.5	532	67.5
MINING	263	107	40.7	156	59.3	68	16	23.5	52	76.5
NUCLEAR	904	322	35.6	582	64.4	363	140	38.6	223	61.4
PETROLEUM	146	62	42.5	84	57.5	77	31	40.3	46	59.7
ENGINEERING, NEC	2546	1153	45.3	1393	54.7	1989	767	38.6	1222	61.4
PHYSICAL SCIENCES	23182	6389	27.6	16793	72.4	9791	2421	24.7	7370	75.3
ASTRONOMY	461	115	24.9	346	75.1	166	31	18.7	135	81.3
ATMOSPHERIC SCIENCES	819	261	31.9	558	68.1	123	32	26.0	91	74.0
CHEMISTRY	9416	2541	27.0	6875	73.0	3953	1003	25.4	2950	74.6
GEOSCIENCES	4665	1567	33.6	3098	66.4	1455	422	29.0	1033	71.0
OCEANOGRAPHY	1357	300	22.1	1057	77.9	351	134	38.2	217	61.8
PHYSICS	6464	1605	24.8	4859	75.2	3743	799	21.3	2944	78.7
MATHEMATICAL SCIENCES	13398	5015	37.4	8383	62.6	5137	2006	39.1	3131	60.9
APPLIED MATHEMATICS	3671	1578	43.0	2093	57.0	1219	491	40.3	728	59.7
MATHEMATICS	8321	2967	35.7	5354	64.3	3609	1425	39.5	2184	60.5
STATISTICS	1406	470	33.4	936	66.6	309	90	29.1	219	70.9
LIFE SCIENCES	37662	12882	34.2	24780	65.8	9952	3190	32.1	6762	67.9
AGRICULTURE	7445	2615	35.1	4830	64.9	276	91	33.0	185	67.0
ANATOMY	620	192	31.0	428	69.0	342	93	27.2	249	72.8
BIOCHEMISTRY	2511	651	25.9	1860	74.1	949	231	24.3	718	75.7
BIOLOGY	3392	1251	36.9	2141	63.1	2827	886	31.3	1941	68.7
BIOMETRY AND BIOSTATISTICS	279	111	39.8	168	60.2	61	18	29.5	43	70.5
BIOPHYSICS	458	103	22.5	355	77.5	283	58	20.5	225	79.5
BIOSCIENCES, NEC	2245	773	34.4	1472	65.6	565	225	39.8	340	60.2
BOTANY	2338	653	27.9	1685	72.1	193	51	26.4	142	73.6
CELL BIOLOGY	309	83	26.9	226	73.1	190	51	26.8	139	73.2
ECOLOGY	421	133	31.6	288	68.4	65	20	30.8	45	69.2
ENTOMOLOGY AND PARASITOLOGY	1152	289	25.1	863	74.9	82	15	18.3	67	81.7
GENETICS	590	146	24.7	444	75.3	130	23	17.7	107	82.3
MICROBIOLOGY	2588	845	32.7	1743	67.3	684	185	27.0	499	73.0
NUTRITION	1564	566	36.2	998	63.8	400	151	37.7	249	62.2
PATHOLOGY	596	229	38.4	367	61.6	271	80	29.5	191	70.5
PHARMACOLOGY	942	272	28.9	670	71.1	409	99	24.2	310	75.8
PHYSIOLOGY	1580	498	31.5	1082	68.5	533	154	28.9	379	71.1
ZOOLOGY	3548	935	26.4	2613	73.6	136	32	23.5	104	76.5
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	5084	2537	49.9	2547	50.1	1556	727	46.7	829	53.3
PSYCHOLOGY	11950	3098	25.9	8852	74.1	6070	1770	29.2	4300	70.8
SOCIAL SCIENCES	32879	11526	35.1	21353	64.9	15335	4586	29.9	10749	70.1
AGRICULTURAL ECONOMICS	1494	449	30.1	1045	69.9	88	30	34.1	58	65.9
ANTHROPOLOGY	3780	1034	27.4	2746	72.6	1362	406	29.8	956	70.2
ECONOMICS (EXCEPT AGRICULTURE)	6102	2060	33.8	4042	66.2	3407	1129	33.1	2278	66.9
GEOGRAPHY	2371	772	32.6	1599	67.4	341	128	37.5	213	62.5
HISTORY AND PHILOSOPHY OF SCIENCE	1631	473	29.0	1158	71.0	1474	355	24.1	1119	75.9
LINGUISTICS	2176	764	35.1	1412	64.9	725	223	30.8	502	69.2
POLITICAL SCIENCE	7457	3273	43.9	4184	56.1	4180	1218	29.1	2962	70.9
SOCIOLOGY	7259	2459	33.9	4800	66.1	3259	881	27.0	2378	73.0
SOCIOLOGY AND ANTHROPOLOGY	561	233	41.5	328	58.5	234	80	34.2	154	65.8
ALL OTHER SCIENCES, NEC	188	152	80.9	36	19.1	167	9	5.4	158	94.6

TABLE A-4. FULL-TIME GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS, BY FIELD OF SCIENCE, CONTROL OF INSTITUTION, AND LEVEL OF STUDY, 1973

AREA AND FIELD OF SCIENCE	PUBLIC					PRIVATE				
		FIRST YEAR		BEYOND FIRST YEAR			FIRST YEAR		BEYOND FIRST YEAR	
	TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL
TOTAL, ALL FIELDS OF SCIENCE	120072	41140	34.3	78932	65.7	44246	14706	33.2	29540	66.8
ENGINEERING	21681	9186	42.4	12495	57.6	10021	4349	43.4	5672	56.6
AERONAUTICAL	790	277	35.1	513	64.9	360	112	31.1	248	68.9
AGRICULTURAL	543	197	36.3	346	63.7	30	23	76.7	7	23.3
CHEMICAL	2094	768	36.7	1326	63.3	971	393	40.5	578	59.5
CIVIL	4028	2121	52.7	1907	47.3	1310	745	56.9	565	43.1
ELECTRICAL	4655	1974	42.4	2681	57.6	2574	1156	44.9	1418	55.1
ENGINEERING SCIENCE	980	354	36.1	626	63.9	486	134	27.6	352	72.4
INDUSTRIAL	2065	940	45.5	1125	54.5	1126	545	48.4	581	51.6
MECHANICAL	2879	1236	42.9	1643	57.1	1399	585	41.8	814	58.2
METALLURGICAL AND MATERIALS	1028	311	30.3	717	69.7	610	212	34.8	398	65.2
MINING	232	101	43.5	131	56.5	67	16	23.9	51	76.1
NUCLEAR	764	292	38.2	472	61.8	192	68	35.4	124	64.6
PETROLEUM	125	55	44.0	70	56.0	67	26	38.8	41	61.2
ENGINEERING, NEC	1498	560	37.4	938	62.6	829	334	40.3	495	59.7
PHYSICAL SCIENCES	20457	5738	28.0	14719	72.0	8008	1988	24.8	6020	75.2
ASTRONOMY	403	101	25.1	302	74.9	163	31	19.0	132	81.0
ATMOSPHERIC SCIENCES	765	250	32.7	515	67.3	68	22	32.4	46	67.6
CHEMISTRY	8359	2239	26.8	6120	73.2	3177	811	25.5	2366	74.5
GEOSCIENCES	3965	1431	36.1	2534	63.9	1221	366	30.0	855	70.0
OCEANOGRAPHY	1112	265	23.8	847	76.2	256	78	30.5	178	69.5
PHYSICS	5853	1452	24.8	4401	75.2	3123	680	21.8	2443	78.2
MATHEMATICAL SCIENCES	9877	3437	34.8	6440	65.2	2885	958	33.2	1927	66.8
APPLIED MATHEMATICS	2339	929	39.7	1410	60.3	659	209	31.7	450	68.3
MATHEMATICS	6452	2160	33.5	4292	66.5	1980	674	34.0	1306	66.0
STATISTICS	1086	348	32.0	738	68.0	246	75	30.5	171	69.5
LIFE SCIENCES	32782	11126	33.9	21656	66.1	8239	2571	31.2	5669	68.8
AGRICULTURE	6580	2450	37.2	4130	62.8	271	90	33.2	181	66.8
ANATOMY	560	180	32.1	380	67.9	310	84	27.1	226	72.9
BIOCHEMISTRY	2366	619	26.2	1747	73.8	887	214	24.1	673	75.9
BIOLOGY	2835	1035	36.5	1800	63.5	2016	615	30.5	1401	69.5
BIOMETRY AND BIOSTATISTICS	227	92	40.5	135	59.5	48	17	35.4	31	64.6
BIOPHYSICS	428	95	22.2	333	77.8	280	58	20.7	222	79.3
BIOSCIENCES, NEC	1868	643	34.4	1225	65.6	446	160	35.9	286	64.1
BOTANY	2066	603	29.2	1463	70.8	180	51	28.3	129	71.7
CELL BIOLOGY	299	77	25.8	222	74.2	185	49	26.5	136	73.5
ECOLOGY	378	121	32.0	257	68.0	65	20	30.8	45	69.2
ENTOMOLOGY AND PARASITOLOGY	982	269	27.4	713	72.6	81	15	18.5	66	81.5
GENETICS	552	131	23.7	421	76.3	120	20	16.7	100	83.3
MICROBIOLOGY	2332	752	32.2	1580	67.8	606	161	26.6	445	73.4
NUTRITION	1325	465	35.1	860	64.9	392	148	37.8	244	62.2
PATHOLOGY	504	199	39.5	305	60.5	242	72	29.8	170	70.2
PHARMACOLOGY	890	255	28.7	635	71.3	375	86	22.9	289	77.1
PHYSIOLOGY	1434	435	30.3	999	69.7	471	142	30.1	329	69.9
ZOOLOGY	3159	885	28.0	2274	72.0	122	32	26.2	90	73.8
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	3997	1820	45.5	2177	54.5	1142	536	46.9	606	53.1
PSYCHOLOGY	10635	2884	27.1	7751	72.9	4167	1315	31.6	2852	68.4
SOCIAL SCIENCES	24538	8703	35.5	15835	64.5	10895	3517	32.3	7378	67.7
AGRICULTURAL ECONOMICS	1287	421	32.7	866	67.3	88	30	34.1	58	65.9
ANTHROPOLOGY	3086	899	29.1	2187	70.9	1078	335	31.1	743	68.9
ECONOMICS (EXCEPT AGRICULTURE)	4693	1644	35.0	3049	65.0	2300	833	36.2	1467	63.8
GEOGRAPHY	1712	626	36.6	1086	63.4	235	98	41.7	137	58.3
HISTORY AND PHILOSOPHY OF SCIENCE	1366	409	29.9	957	70.1	1040	262	25.2	778	74.8
LINGUISTICS	1678	645	38.4	1033	61.6	565	170	30.1	395	69.9
POLITICAL SCIENCE	4812	1986	41.3	2826	58.7	2908	949	32.6	1959	67.4
SOCIOLOGY	5434	1892	34.8	3542	65.2	2274	644	28.3	1630	71.7
SOCIOLOGY AND ANTHROPOLOGY	424	172	40.6	252	59.4	156	63	40.4	93	59.6
ALL OTHER SCIENCES, NEC	102	66	64.7	36	35.3	31	9	29.0	22	71.0

TABLE A-5. PART-TIME GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS, BY FIELD OF SCIENCE, CONTROL OF INSTITUTION, AND LEVEL OF STUDY, 1973

AREA AND FIELD OF SCIENCE	PUBLIC					PRIVATE				
		FIRST YEAR		BEYOND FIRST YEAR			FIRST YEAR		BEYOND FIRST YEAR	
	TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL
TOTAL, ALL FIELDS OF SCIENCE	31758	12123	38.2	19635	61.8	21886	8255	37.7	13631	62.3
ENGINEERING	10890	5015	46.1	5875	53.9	9659	4630	47.9	5029	52.1
AERONAUTICAL	249	84	33.7	165	66.3	115	50	43.5	65	56.5
AGRICULTURAL	85	20	23.5	65	76.5	11			11	100.0
CHEMICAL	818	271	33.1	547	66.9	393	153	38.9	240	61.1
CIVIL	1966	818	41.6	1148	58.4	1234	507	41.1	727	58.9
ELECTRICAL	2799	1398	49.9	1401	50.1	3411	1960	57.5	1451	42.5
ENGINEERING SCIENCE	544	359	66.0	185	34.0	74	21	28.4	53	71.6
INDUSTRIAL	1135	571	50.3	564	49.7	1791	774	43.2	1017	56.8
MECHANICAL	1815	782	43.1	1033	56.9	1110	611	55.0	499	45.0
METALLURGICAL AND MATERIALS	239	76	31.8	163	68.2	178	44	24.7	134	75.3
MINING	31	6	19.4	25	80.6	1			1	100.0
NUCLEAR	148	30	21.4	110	78.6	171	72	42.1	99	57.9
PETROLEUM	21	7	33.3	14	66.7	10	5	50.0	5	50.0
ENGINEERING, NEC	1048	593	56.6	455	43.4	1160	433	37.3	727	62.7
PHYSICAL SCIENCES	2725	651	23.9	2074	76.1	1783	433	24.3	1350	75.7
ASTRONOMY	58	14	24.1	44	75.9	3			3	100.0
ATMOSPHERIC SCIENCES	54	11	20.4	43	79.6	55	10	18.2	45	81.8
CHEMISTRY	1057	302	28.6	755	71.4	776	192	24.7	584	75.3
GEOSCIENCES	700	136	19.4	564	80.6	234	56	23.9	178	76.1
OCEANOGRAPHY	245	35	14.3	210	85.7	95	56	58.9	39	41.1
PHYSICS	611	153	25.0	458	75.0	620	119	19.2	501	80.8
MATHEMATICAL SCIENCES	3521	1578	44.8	1943	55.2	2252	1048	46.5	1204	53.5
APPLIED MATHEMATICS	1332	649	48.7	683	51.3	560	282	50.4	278	49.6
MATHEMATICS	1869	807	43.2	1062	56.8	1629	751	46.1	878	53.9
STATISTICS	320	122	38.1	198	61.9	63	15	23.8	48	76.2
LIFE SCIENCES	4880	1756	36.0	3124	64.0	1713	620	36.2	1093	63.8
AGRICULTURE	865	165	19.1	700	80.9	5	1	20.0	4	80.0
ANATOMY	60	12	20.0	48	80.0	32	9	28.1	23	71.9
BIOCHEMISTRY	145	32	22.1	113	77.9	62	17	27.4	45	72.6
BIOLOGY	557	216	38.8	341	61.2	811	271	33.4	540	66.6
BIOMETRY AND BIOSTATISTICS	52	19	36.5	33	63.5	13	1	7.7	12	92.3
BIOPHYSICS	30	8	26.7	22	73.3	3			3	100.0
BIOSCIENCES, NEC	377	130	34.5	247	65.5	119	65	54.6	54	45.4
BOTANY	272	50	18.4	222	81.6	13			13	100.0
CELL BIOLOGY	10	6	60.0	4	40.0	5	2	40.0	3	60.0
ECOLOGY	43	12	27.9	31	72.1					
ENTOMOLOGY AND PARASITOLOGY	170	20	11.8	150	88.2	1			1	100.0
GENETICS	38	15	39.5	23	60.5	10	3	30.0	7	70.0
MICROBIOLOGY	256	93	36.3	163	63.7	78	24	30.8	54	69.2
NUTRITION	239	101	42.3	138	57.7	8	3	37.5	5	62.5
PATHOLOGY	92	30	32.6	62	67.4	29	8	27.6	21	72.4
PHARMACOLOGY	52	17	32.7	35	67.3	34	13	38.2	21	61.8
PHYSIOLOGY	146	63	43.2	83	56.8	62	12	19.4	50	80.6
ZOOLOGY	389	50	12.9	339	87.1	14			14	100.0
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	1087	717	66.0	370	34.0	414	191	46.1	223	53.9
PSYCHOLOGY	1315	214	16.3	1101	83.7	1903	455	23.9	1448	76.1
SOCIAL SCIENCES	8341	2823	33.8	5518	66.2	4440	1069	24.1	3371	75.9
AGRICULTURAL ECONOMICS	207	28	13.5	179	86.5					
ANTHROPOLOGY	694	135	19.5	559	80.5	284	71	25.0	213	75.0
ECONOMICS (EXCEPT AGRICULTURE)	1409	416	29.5	993	70.5	1107	296	26.7	811	73.3
GEOGRAPHY	659	146	22.2	513	77.8	106	30	28.3	76	71.7
HISTORY AND PHILOSOPHY OF SCIENCE	265	64	24.2	201	75.8	434	93	21.4	341	78.6
LINGUISTICS	498	119	23.9	379	76.1	160	53	33.1	107	66.9
POLITICAL SCIENCE	2645	1287	48.7	1358	51.3	1272	269	21.1	1003	78.9
SOCIOLOGY	1825	567	31.1	1258	68.9	985	237	24.1	748	75.9
SOCIOLOGY AND ANTHROPOLOGY	137	61	44.5	76	55.5	78	17	21.8	61	78.2
ALL OTHER SCIENCES, NEC	86	86	100.0			136			136	100.0

TABLE A-6. GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS, BY STATE, ENROLLMENT STATUS, AND SOURCE OF MAJOR SUPPORT, 1973

DIVISION AND STATE	TOTAL		FULL TIME						PART TIME	
			TOTAL		SUPPORTED BY U.S. GOVERNMENT SOURCES		SUPPORTED BY NON-U.S. GOVERNMENT SOURCES			
	NUMBER	PERCENT DISTRI-BUTION	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL
UNITED STATES, TOTAL	217962	100.0	164318	75.4	43196	26.3	121122	73.7	53644	24.6
NEW ENGLAND	18465	8.5	14403	78.0	4252	29.5	10151	70.5	4062	22.0
MAINE	422	.2	326	77.3	77	23.6	249	76.4	96	22.7
NEW HAMPSHIRE	625	.3	575	92.0	145	25.2	430	74.8	50	8.0
VERMONT	509	.2	508	99.8	93	18.3	415	81.7	1	.2
MASSACHUSETTS	12263	5.6	9017	73.5	2905	32.2	6112	67.8	3246	26.5
RHODE ISLAND	1563	.7	1237	79.1	416	33.6	821	66.4	326	20.9
CONNECTICUT	3083	1.4	2740	88.9	616	22.5	2124	77.5	343	11.1
MIDDLE ATLANTIC	43779	20.1	26690	61.0	6278	23.5	20412	76.5	17089	39.0
NEW YORK	26754	12.3	16391	61.3	3644	22.2	12747	77.8	10363	38.7
NEW JERSEY	6566	3.0	3119	47.5	704	22.6	2415	77.4	3447	52.5
PENNSYLVANIA	10459	4.8	7180	68.6	1930	26.9	5250	73.1	3279	31.4
EAST NORTH CENTRAL	41998	19.3	34448	82.0	8591	24.9	25857	75.1	7550	18.0
OHIO	10324	4.7	7510	72.7	1834	24.4	5676	75.6	2814	27.3
INDIANA	5847	2.7	5088	87.0	1225	24.1	3863	75.9	759	13.0
ILLINOIS	10828	5.0	9220	85.1	2553	27.7	6667	72.3	1608	14.9
MICHIGAN	9678	4.4	7985	82.5	1457	18.2	6528	81.8	1693	17.5
WISCONSIN	5321	2.4	4645	87.3	1522	32.8	3123	67.2	676	12.7
WEST NORTH CENTRAL	16729	7.7	13243	79.2	3630	27.4	9613	72.6	3486	20.8
MINNESOTA	3933	1.8	3403	86.5	1103	32.4	2300	67.6	530	13.5
IOWA	3329	1.5	2843	85.4	676	23.8	2167	76.2	486	14.6
MISSOURI	4232	1.9	2975	70.3	793	26.7	2182	73.3	1257	29.7
NORTH DAKOTA	459	.2	368	80.2	100	27.2	268	72.8	91	19.8
SOUTH DAKOTA	647	.3	496	76.7	212	42.7	284	57.3	151	23.3
NEBRASKA	1087	.5	799	73.5	144	18.0	655	82.0	288	26.5
KANSAS	3042	1.4	2359	77.5	602	25.5	1757	74.5	683	22.5
SOUTH ATLANTIC	26613	12.2	19235	72.3	5106	26.5	14129	73.5	7378	27.7
DELAWARE	782	.4	449	57.4	104	23.2	345	76.8	333	42.6
MARYLAND	6140	1.9	2792	67.4	821	29.4	1971	70.6	1348	32.6
DISTRICT OF COLUMBIA	4163	1.9	1756	42.2	352	20.0	1404	80.0	2407	57.8
VIRGINIA	2981	1.4	2277	76.4	538	23.6	1739	76.4	704	23.6
WEST VIRGINIA	910	.4	770	84.6	179	23.2	591	76.8	140	15.4
NORTH CAROLINA	4018	1.8	3516	87.5	1215	34.6	2301	65.4	502	12.5
SOUTH CAROLINA	1558	.7	1188	76.3	201	16.9	987	83.1	370	23.7
GEORGIA	3370	1.5	2622	77.8	535	20.4	2087	79.6	748	22.2
FLORIDA	4691	2.2	3865	82.4	1161	30.0	2704	70.0	826	17.6
EAST SOUTH CENTRAL	7385	3.4	5694	77.1	1259	22.1	4435	77.9	1691	22.9
KENTUCKY	1403	.6	1141	81.3	210	18.4	931	81.6	262	18.7
TENNESSEE	3371	1.5	2440	72.4	587	24.1	1853	75.9	931	27.6
ALABAMA	1353	.6	1094	80.9	224	20.5	870	79.5	259	19.1
MISSISSIPPI	1258	.6	1019	81.0	238	23.4	781	76.6	239	19.0
WEST SOUTH CENTRAL	17829	8.2	12703	71.2	2371	18.7	10332	81.3	5126	28.8
ARKANSAS	733	.3	606	82.7	123	20.3	483	79.7	127	17.3
LOUISIANA	2501	1.1	1909	76.3	360	18.9	1549	81.1	592	23.7
OKLAHOMA	3680	1.7	2174	59.1	401	18.4	1773	81.6	1506	40.9
TEXAS	10915	5.0	8014	73.4	1487	18.6	6527	81.4	2901	26.6
MOUNTAIN	13806	6.3	11333	82.1	2901	25.6	8432	74.4	2473	17.9
MONTANA	629	.3	587	93.3	132	22.5	455	77.5	42	6.7
IDAHO	667	.3	584	87.6	110	18.8	474	81.2	83	12.4
WYOMING	555	.3	495	89.2	122	24.6	373	75.4	60	10.8
COLORADO	4283	2.0	3646	85.1	1138	31.2	2508	68.8	637	14.9
NEW MEXICO	1525	.7	1044	68.5	246	23.6	798	76.4	481	31.5
ARIZONA	3487	1.6	2732	78.3	521	19.1	11	80.9	755	21.7
UTAH	2277	1.0	1926	84.6	583	30.3	1343	69.7	351	15.4
NEVADA	383	.2	319	83.3	49	15.4	270	84.6	64	16.7
PACIFIC	30785	14.1	26307	85.5	8767	33.3	17540	66.7	4478	14.5
WASHINGTON	3698	1.6	2944	84.2	946	32.1	1998	67.9	554	15.8
OREGON	2705	1.2	2328	86.1	583	25.0	1745	75.0	377	13.9
CALIFORNIA	22845	10.5	19460	85.2	6678	34.3	12782	65.7	3385	14.8
ALASKA	255	.1	213	83.5	66	31.0	147	69.0	42	16.5
HAWAII	1482	.7	1362	91.9	494	36.3	868	63.7	120	8.1
OUTLYING AREAS	573	.3	262	45.7	41	15.6	221	84.4	311	54.3

TABLE A-7. FULL-TIME GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS, BY FIELD OF SCIENCE AND CITIZENSHIP: 1973

AREA AND FIELD OF SCIENCE	TOTAL		U.S. CITIZENS		FOREIGN STUDENTS	
	NUMBER	PERCENT DISTRIBUTION	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL
TOTAL, ALL FIELDS OF SCIENCE	164318	100.0	133547	81.3	30771	18.7
ENGINEERING	31702	19.3	20849	65.8	10853	34.2
AERONAUTICAL	1150	.7	793	69.0	357	31.0
AGRICULTURAL	573	.3	323	56.4	250	43.6
CHEMICAL	3065	1.9	1693	55.2	1372	44.8
CIVIL	5338	3.2	3628	68.0	1710	32.0
ELECTRICAL	7229	4.4	4749	65.7	2480	34.3
ENGINEERING SCIENCE	1466	.9	935	63.8	531	36.2
INDUSTRIAL	3191	1.9	2228	69.8	963	30.2
MECHANICAL	4278	2.6	2796	65.4	1482	34.6
METALLURGICAL AND MATERIALS	1638	1.0	1025	62.6	613	37.4
MINING	299	.2	142	47.5	157	52.5
NUCLEAR	956	.6	723	75.6	233	24.4
PETROLEUM	192	.1	71	37.0	121	63.0
ENGINEERING, NEC	2327	1.4	1743	74.9	584	25.1
PHYSICAL SCIENCES	28465	17.3	22942	80.6	5523	19.4
ASTRONOMY	566	.3	512	90.5	54	9.5
ATMOSPHERIC SCIENCES	833	.5	700	84.0	133	16.0
CHEMISTRY	11536	7.0	9064	78.6	2472	21.4
GEOSCIENCES	5186	3.2	4663	89.9	523	10.1
OCEANOGRAPHY	1368	.8	1236	90.4	132	9.6
PHYSICS	8976	5.5	6767	75.4	2209	24.6
MATHEMATICAL SCIENCES	12762	7.8	10311	80.8	2451	19.2
APPLIED MATHEMATICS	2998	1.8	2402	80.1	596	19.9
MATHEMATICS	8432	5.1	7020	83.3	1412	16.7
STATISTICS	1332	.8	889	66.7	443	33.3
LIFE SCIENCES	41021	25.0	35110	85.6	5911	14.4
AGRICULTURE	6851	4.2	5262	76.8	1589	23.2
ANATOMY	870	.5	826	94.9	44	5.1
BIOCHEMISTRY	3253	2.0	2733	84.0	520	16.0
BIOLOGY	4851	3.0	4504	92.8	347	7.2
BIOMETRY AND BIOSTATISTICS	275	.2	241	87.6	34	12.4
BIOPHYSICS	708	.4	595	84.0	113	16.0
BIOSCIENCES, NEC	2314	1.4	2120	91.6	194	8.4
BOTANY	2246	1.4	1875	83.5	371	16.5
CELL BIOLOGY	484	.3	423	87.4	61	12.6
ECOLOGY	443	.3	419	94.6	24	5.4
ENTOMOLOGY AND PARASITOLOGY	1063	.6	852	80.2	211	19.8
GENETICS	672	.4	550	81.8	122	18.2
MICROBIOLOGY	2938	1.8	2612	88.9	326	11.1
NUTRITION	1717	1.0	1137	66.2	580	33.8
PATHOLOGY	746	.5	647	86.7	99	13.3
PHARMACOLOGY	1265	.8	1062	84.0	203	16.0
PHYSIOLOGY	1905	1.2	1730	90.8	175	9.2
ZOOLOGY	3281	2.0	3103	94.6	178	5.4
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	5139	3.1	4419	86.0	720	14.0
PSYCHOLOGY	14802	9.0	14093	95.2	709	4.8
SOCIAL SCIENCES	35433	21.6	30122	85.0	5311	15.0
AGRICULTURAL ECONOMICS	1375	.8	872	63.4	503	36.6
ANTHROPOLOGY	4164	2.5	3926	94.3	238	5.7
ECONOMICS (EXCEPT AGRICULTURE)	6993	4.3	5011	71.7	1982	28.3
GEOGRAPHY	1947	1.2	1727	88.7	220	11.3
HISTORY AND PHILOSOPHY OF SCIENCE	2406	1.5	2222	92.4	184	7.6
LINGUISTICS	2243	1.4	1863	83.1	380	16.9
POLITICAL SCIENCE	7720	4.7	6849	88.7	871	11.3
SOCIOLOGY	7708	4.7	6851	88.9	857	11.1
SOCIOLOGY AND ANTHROPOLOGY	580	.4	519	89.5	61	10.5
ALL OTHER SCIENCES, NEC	133	.1	120	90.2	13	9.8

TABLE A-8. FULL-TIME GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS, BY FIELD OF SCIENCE AND SEX OF STUDENT, 1973

AREA AND FIELD OF SCIENCE	TOTAL NUMBER	TOTAL PERCENT DISTRIBUTION	MEN NUMBER	MEN PERCENT OF TOTAL	WOMEN NUMBER	WOMEN PERCENT OF TOTAL
TOTAL, ALL FIELDS OF SCIENCE	164318	100.0	132596	80.7	31722	19.3
ENGINEERING	31702	19.3	30733	96.9	969	3.1
AERONAUTICAL	1150	.7	1136	98.8	14	1.2
AGRICULTURAL	573	.3	564	98.4	9	1.6
CHEMICAL	3065	1.9	2965	96.7	100	3.3
CIVIL	5338	3.2	5180	97.0	158	3.0
ELECTRICAL	7229	4.4	7070	97.8	159	2.2
ENGINEERING SCIENCE	1466	.9	1423	97.1	43	2.9
INDUSTRIAL	3191	1.9	3021	94.7	170	5.3
MECHANICAL	4278	2.6	4220	98.6	58	1.4
METALLURGICAL AND MATERIALS	1638	1.0	1582	96.6	56	3.4
MINING	299	.2	292	97.7	7	2.3
NUCLEAR	956	.6	943	98.6	13	1.4
PETROLEUM	192	.1	188	97.9	4	2.1
ENGINEERING, NEC	2327	1.4	2149	92.4	178	7.6
PHYSICAL SCIENCES	28465	17.3	25298	88.9	3167	11.1
ASTRONOMY	566	.3	510	90.1	56	9.9
ATMOSPHERIC SCIENCES	833	.5	786	94.4	47	5.6
CHEMISTRY	11536	7.0	9772	84.7	1764	15.3
GEOSCIENCES	5186	3.2	4608	88.9	578	11.1
OCEANOGRAPHY	1368	.8	1219	89.1	149	10.9
PHYSICS	8976	5.5	8403	93.6	573	6.4
MATHEMATICAL SCIENCES	12762	7.8	10368	81.2	2394	18.8
APPLIED MATHEMATICS	2998	1.8	2568	85.7	430	14.3
MATHEMATICS	8432	5.1	6733	79.9	1699	20.1
STATISTICS	1332	.8	1067	80.1	265	19.9
LIFE SCIENCES	41021	25.0	30776	75.0	10245	25.0
AGRICULTURE	6851	4.2	6256	91.3	595	8.7
ANATOMY	870	.5	639	73.4	231	26.6
BIOCHEMISTRY	3253	2.0	2450	75.3	803	24.7
BIOLOGY	4851	3.0	3289	67.8	1562	32.2
BIOMETRY AND BIOSTATISTICS	275	.2	182	66.2	93	33.8
BIOPHYSICS	708	.4	566	79.9	142	20.1
BIOSCIENCES, NEC	2314	1.4	1656	71.6	658	28.4
BOTANY	2246	1.4	1690	75.2	556	24.8
CELL BIOLOGY	484	.3	344	71.1	140	28.9
ECOLOGY	443	.3	355	80.1	88	19.9
ENTOMOLOGY AND PARASITOLOGY	1063	.6	930	87.5	133	12.5
GENETICS	672	.4	428	63.7	244	36.3
MICROBIOLOGY	2938	1.8	1989	67.7	949	32.3
NUTRITION	1717	1.0	888	51.7	829	48.3
PATHOLOGY	746	.5	551	73.9	195	26.1
PHARMACOLOGY	1265	.8	1019	80.6	246	19.4
PHYSIOLOGY	1905	1.2	1514	79.5	391	20.5
ZOOLOGY	3281	2.0	2537	77.3	744	22.7
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	5139	3.1	3493	68.0	1646	32.0
PSYCHOLOGY	14802	9.0	9393	63.5	5409	36.5
SOCIAL SCIENCES	35433	21.6	25937	73.2	9496	26.8
AGRICULTURAL ECONOMICS	1375	.8	1274	92.7	101	7.3
ANTHROPOLOGY	4164	2.5	2318	55.7	1846	44.3
ECONOMICS (EXCEPT AGRICULTURE	6993	4.3	6116	87.5	877	12.5
GEOGRAPHY	1947	1.2	1544	79.3	403	20.7
HISTORY AND PHILOSOPHY OF SCIENCE	2406	1.5	1808	75.1	598	24.9
LINGUISTICS	2243	1.4	1125	50.2	1118	49.8
POLITICAL SCIENCE	7720	4.7	6303	81.6	1417	18.4
SOCIOLOGY	7708	4.7	4899	63.6	2809	36.4
SOCIOLOGY AND ANTHROPOLOGY	580	.4	338	58.3	242	41.7
ALL OTHER SCIENCES, NEC	133	.1	91	68.4	42	31.6

TABLE A-9. FULL-TIME GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS, BY FIELD OF SCIENCE, SEX OF STUDENT, AND LEVEL OF STUDY, 1973

AREA AND FIELD OF SCIENCE	MEN					WOMEN				
		FIRST YEAR		BEYOND FIRST YEAR			FIRST YEAR		BEYOND FIRST YEAR	
	TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL
TOTAL, ALL FIELDS OF SCIENCE	132596	44312	33.4	88284	66.6	31722	11534	36.4	20188	63.6
ENGINEERING	30733	13053	42.5	17680	57.5	969	482	49.7	487	50.3
AERONAUTICAL	1136	381	33.5	755	66.5	14	8	57.1	6	42.9
AGRICULTURAL	564	214	37.9	350	62.1	9	6	66.7	3	33.3
CHEMICAL	2965	1106	37.3	1859	62.7	100	55	55.0	45	45.0
CIVIL	5180	2769	53.5	2411	46.5	158	97	61.4	61	38.6
ELECTRICAL	7070	3053	43.2	4017	56.8	159	77	48.4	82	51.6
ENGINEERING SCIENCE	1423	470	33.0	953	67.0	43	18	41.9	25	58.1
INDUSTRIAL	3021	1389	46.0	1632	54.0	170	96	56.5	74	43.5
MECHANICAL	4220	1797	42.6	2423	57.4	58	24	41.4	34	58.6
METALLURGICAL AND MATERIALS	1582	498	31.5	1084	68.5	56	25	44.6	31	55.4
MINING	292	114	39.0	178	61.0	7	3	42.9	4	57.1
NUCLEAR	943	355	37.6	588	62.4	13	5	38.5	8	61.5
PETROLEUM	188	80	42.6	108	57.4	4	1	25.0	3	75.0
ENGINEERING, NEC	2149	827	38.5	1322	61.5	178	67	37.6	111	62.4
PHYSICAL SCIENCES	25298	6725	26.6	18573	73.4	3167	1001	31.6	2166	68.4
ASTRONOMY	510	114	22.4	396	77.6	56	18	32.1	38	67.9
ATMOSPHERIC SCIENCES	786	254	32.3	532	67.7	47	18	38.3	29	61.7
CHEMISTRY	9772	2507	25.7	7265	74.3	1764	543	30.8	1221	69.2
GEOSCIENCES	4608	1567	34.0	3041	66.0	578	230	39.8	348	60.2
OCEANOGRAPHY	1219	297	24.4	922	75.6	149	46	30.9	103	69.1
PHYSICS	8403	1986	23.6	6417	76.4	573	146	25.5	427	74.5
MATHEMATICAL SCIENCES	10368	3415	32.9	6953	67.1	2394	980	40.9	1414	59.1
APPLIED MATHEMATICS	2568	949	37.0	1619	63.0	430	189	44.0	241	56.0
MATHEMATICS	6733	2142	31.8	4591	68.2	1699	692	40.7	1007	59.3
STATISTICS	1067	324	30.4	743	69.6	265	99	37.4	166	62.6
LIFE SCIENCES	30776	9879	32.1	20897	67.9	10245	3817	37.3	6428	62.7
AGRICULTURE	6256	2265	36.2	3991	63.8	595	275	46.2	320	53.8
ANATOMY	639	193	30.2	446	69.8	231	71	30.7	160	69.3
BIOCHEMISTRY	2450	624	25.5	1826	74.5	803	209	26.0	594	74.0
BIOLOGY	3249	1109	33.7	2180	66.3	1562	541	34.6	1021	65.4
BIOMETRY AND BIOSTATISTICS	182	67	36.8	115	63.2	93	42	45.2	51	54.8
BIOPHYSICS	566	123	21.7	443	78.3	142	30	21.1	112	78.9
BIOSCIENCES, NEC	1656	565	34.1	1091	65.9	658	238	36.2	420	63.8
BOTANY	1690	467	27.6	1223	72.4	556	187	33.6	369	66.4
CELL BIOLOGY	344	93	27.0	251	73.0	140	33	23.6	107	76.4
ECOLOGY	355	112	31.5	243	68.5	88	29	33.0	59	67.0
ENTOMOLOGY AND PARASITOLOGY	930	243	26.1	687	73.9	133	41	30.8	92	69.2
GENETICS	428	78	18.2	350	81.8	244	73	29.9	171	70.1
MICROBIOLOGY	1989	595	29.9	1394	70.1	949	318	33.5	631	66.5
NUTRITION	888	270	30.4	618	69.6	829	343	41.4	486	58.6
PATHOLOGY	551	183	33.2	368	66.8	195	88	45.1	107	54.9
PHARMACOLOGY	1019	273	26.8	746	73.2	246	68	27.6	178	72.4
PHYSIOLOGY	1514	459	30.3	1055	69.7	391	118	30.2	273	69.8
ZOOLOGY	2537	702	27.7	1835	72.3	744	215	28.9	529	71.1
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	3493	1458	41.7	2035	58.3	1646	898	54.6	748	45.4
PSYCHOLOGY	9393	2481	26.4	6912	73.6	5409	1718	31.8	3691	68.2
SOCIAL SCIENCES	25937	8710	33.6	17227	66.4	9496	3510	37.0	5986	63.0
AGRICULTURAL ECONOMICS	1274	409	32.1	865	67.9	101	42	41.6	59	58.4
ANTHROPOLOGY	2318	643	27.7	1675	72.3	1846	591	32.0	1255	68.0
ECONOMICS (EXCEPT AGRICULTURE)	6116	2116	34.6	4000	65.4	877	361	41.2	516	58.8
GEOGRAPHY	1544	534	34.6	1010	65.4	403	190	47.1	213	52.9
HISTORY AND PHILOSOPHY OF SCIENCE	1808	490	27.1	1318	72.9	598	181	30.3	417	69.7
LINGUISTICS	1125	366	32.5	759	67.5	1118	449	40.2	669	59.8
POLITICAL SCIENCE	6303	2321	36.8	3982	63.2	1417	614	43.3	803	56.7
SOCIOLOGY	4899	1587	32.4	3312	67.6	2809	949	33.8	1860	66.2
SOCIOLOGY AND ANTHROPOLOGY	338	126	37.3	212	62.7	242	109	45.0	133	55.0
ALL OTHER SCIENCES, NEC	91	49	53.8	42	46.2	42	26	61.9	16	38.1

TABLE A-10. FULL-TIME GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS, BY FIELD OF SCIENCE AND TYPE OF MAJOR SUPPORT, 1973

AREA AND FIELD OF SCIENCE	TOTAL		FELLOWSHIPS AND TRAINEESHIPS		RESEARCH ASSISTANTSHIPS		TEACHING ASSISTANTSHIPS		OTHER TYPES OF SUPPORT	
	NUMBER	PERCENT DISTRIBUTION	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL
TOTAL, ALL FIELDS OF SCIENCE	164318	100.0	34135	20.8	36111	22.0	43395	26.4	50677	30.8
ENGINEERING	31702	19.3	5147	16.2	10314	32.5	4976	15.7	11265	35.5
AERONAUTICAL	1150	.7	99	8.6	538	46.8	131	11.4	382	33.2
AGRICULTURAL	573	.3	90	15.7	291	50.8	40	7.0	152	26.5
CHEMICAL	3065	1.9	676	22.1	1188	38.8	581	19.0	620	20.2
CIVIL	5338	3.2	1085	20.3	1604	30.0	620	11.6	2029	38.0
ELECTRICAL	7229	4.4	965	13.3	2146	29.7	1552	21.5	2566	35.5
ENGINEERING SCIENCE	1466	.9	243	16.6	512	34.9	300	20.5	411	28.0
INDUSTRIAL	3191	1.9	375	11.8	547	17.1	379	11.9	1890	59.2
MECHANICAL	4278	2.6	566	13.2	1427	33.4	752	17.6	1533	35.8
METALLURGICAL AND MATERIALS	1638	1.0	204	12.5	1001	61.1	195	11.9	238	14.5
MINING	299	.2	59	19.7	123	41.1	33	11.0	84	28.1
NUCLEAR	956	.6	240	25.1	319	33.4	124	13.0	273	28.6
PETROLEUM	192	.1	68	35.4	63	32.8	19	9.9	42	21.9
ENGINEERING, NEC	2327	1.4	477	20.5	555	23.9	250	10.7	1045	44.9
PHYSICAL SCIENCES	28465	17.3	3594	12.6	8878	31.2	11780	41.4	4213	14.8
ASTRONOMY	566	.3	120	21.2	229	40.5	142	25.1	75	13.3
ATMOSPHERIC SCIENCES	833	.5	86	10.3	419	50.3	87	10.4	241	28.9
CHEMISTRY	11536	7.0	1615	14.0	2931	25.4	6118	53.0	872	7.6
GEOSCIENCES	5186	3.2	560	10.8	1313	25.3	1741	33.6	1572	30.3
OCEANOGRAPHY	1368	.8	192	14.0	782	57.2	77	5.6	317	23.2
PHYSICS	8976	5.5	1021	11.4	3204	35.7	3615	40.3	1136	12.7
MATHEMATICAL SCIENCES	12762	7.8	1539	12.1	1276	10.0	6202	48.6	3745	29.3
APPLIED MATHEMATICS	2998	1.8	291	9.7	680	22.7	684	22.8	1343	44.8
MATHEMATICS	8432	5.1	1022	12.1	312	3.7	5073	60.2	2025	24.0
STATISTICS	1332	.8	226	17.0	284	21.3	445	33.4	377	28.3
LIFE SCIENCES	41021	25.0	11732	28.6	9556	23.3	8996	21.9	10737	26.2
AGRICULTURE	6851	4.2	986	14.4	3196	46.7	520	7.6	2149	31.4
ANATOMY	870	.5	367	42.2	79	9.1	209	24.0	215	24.7
BIOCHEMISTRY	3253	2.0	1312	40.3	931	28.6	512	15.7	498	15.3
BIOLOGY	4851	3.0	1129	23.3	515	10.6	1959	40.4	1248	25.7
BIOMETRY AND BIOSTATISTICS	275	.2	129	46.9	30	10.9	14	5.1	102	37.1
BIOPHYSICS	708	.4	405	57.2	150	21.2	58	8.2	95	13.4
BIOSCIENCES, NEC	2314	1.4	416	18.0	300	13.0	992	42.9	606	26.2
BOTANY	2246	1.4	251	11.2	656	29.2	851	37.9	488	21.7
CELL BIOLOGY	484	.3	228	47.1	81	16.7	88	18.2	87	18.0
ECOLOGY	443	.3	70	15.8	129	29.1	108	24.4	136	30.7
ENTOMOLOGY AND PARASITOLOGY	1063	.6	165	15.5	520	48.9	124	11.7	254	23.9
GENETICS	672	.4	293	43.6	143	21.3	79	11.8	157	23.4
MICROBIOLOGY	2938	1.8	1043	35.5	534	18.2	739	25.2	622	21.2
NUTRITION	1717	1.0	346	20.2	731	42.6	114	6.6	526	30.6
PATHOLOGY	746	.5	430	57.6	65	8.7	27	3.6	224	30.0
PHARMACOLOGY	1265	.8	593	46.9	237	18.7	228	18.0	207	16.4
PHYSIOLOGY	1905	1.2	696	36.5	265	13.9	397	20.8	547	28.7
ZOOLOGY	3281	2.0	417	12.7	576	17.6	1470	44.8	818	24.9
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	5139	3.1	2456	47.8	418	8.1	507	9.9	1758	34.2
PSYCHOLOGY	14802	9.0	4011	27.1	1916	12.9	3362	22.7	5513	37.2
SOCIAL SCIENCES	35433	21.6	8080	22.8	4159	11.7	8042	22.7	15152	42.8
AGRICULTURAL ECONOMICS	1375	.8	227	16.5	689	50.1	66	4.8	393	28.6
ANTHROPOLOGY	4164	2.5	961	23.1	223	5.4	881	21.2	2099	50.4
ECONOMICS (EXCEPT AGRICULTURE)	6993	4.3	1593	22.8	989	14.1	1752	25.1	2659	38.0
GEOGRAPHY	1947	1.2	270	13.9	194	10.0	734	37.7	749	38.5
HISTORY AND PHILOSOPHY OF SCIENCE	2406	1.5	640	26.6	118	4.9	676	28.1	972	40.4
LINGUISTICS	2243	1.4	699	31.2	225	10.0	498	22.2	821	36.6
POLITICAL SCIENCE	7720	4.7	1616	20.9	564	7.3	1457	18.9	4083	52.9
SOCIOLOGY	7708	4.7	1832	23.8	1018	13.2	1796	23.3	3062	39.7
SOCIOLOGY AND ANTHROPOLOGY	580	.4	116	20.0	134	23.1	177	30.5	153	26.4
ALL OTHER SCIENCES, NEC	133	.1	32	24.1	12	9.0	37	27.8	52	39.1

TABLE A-11. FIRST-YEAR FULL-TIME GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS, BY FIELD OF SCIENCE AND TYPE OF MAJOR SUPPORT, 1973

AREA AND FIELD OF SCIENCE	TOTAL		FELLOWSHIPS AND TRAINEESHIPS		RESEARCH ASSISTANTSHIPS		TEACHING ASSISTANTSHIPS		OTHER TYPES OF SUPPORT	
	NUMBER	PERCENT DISTRI-BUTION	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL
TOTAL, ALL FIELDS OF SCIENCE	55846	100.0	10287	18.4	9103	16.3	14440	25.9	22016	39.4
ENGINEERING	13535	24.2	2439	18.0	3253	24.0	2087	15.4	5756	42.5
AERONAUTICAL	389	.7	45	11.6	170	43.7	44	11.3	130	33.4
AGRICULTURAL	220	.4	47	21.4	104	47.3	23	10.5	46	20.9
CHEMICAL	1161	2.1	323	27.8	319	27.5	237	20.4	282	24.3
CIVIL	2866	5.1	739	25.8	601	21.0	298	10.4	1228	42.8
ELECTRICAL	3130	5.6	395	12.6	680	21.7	640	20.4	1415	45.2
ENGINEERING SCIENCE	488	.9	90	18.4	120	24.6	87	17.8	191	39.1
INDUSTRIAL	1485	2.7	189	12.7	175	11.8	163	11.0	958	64.5
MECHANICAL	1821	3.3	254	13.9	496	27.2	321	17.6	750	41.2
METALLURGICAL AND MATERIALS	523	.9	72	13.8	273	52.2	85	16.3	93	17.8
MINING	117	.2	21	17.9	38	32.5	10	8.5	48	41.0
NUCLEAR	360	.6	96	26.7	86	23.9	59	16.4	119	33.1
PETROLEUM	81	.1	23	28.4	25	30.9	7	8.6	26	32.1
ENGINEERING, NEC	894	1.6	145	16.2	166	18.6	113	12.6	470	52.6
PHYSICAL SCIENCES	7726	13.8	988	12.8	1010	13.1	4329	56.0	1399	18.1
ASTRONOMY	132	.2	41	31.1	25	18.9	36	27.3	30	22.7
ATMOSPHERIC SCIENCES	272	.5	35	12.9	112	41.2	39	14.3	86	31.6
CHEMISTRY	3050	5.5	356	11.7	146	4.8	2318	76.0	230	7.5
GEOSCIENCES	1797	3.2	216	12.0	338	18.8	655	36.4	588	32.7
OCEANOGRAPHY	343	.6	51	14.9	154	44.9	16	4.7	122	35.6
PHYSICS	2132	3.8	289	13.6	235	11.0	1265	59.3	343	16.1
MATHEMATICAL SCIENCES	4395	7.9	522	11.9	300	6.8	1939	44.1	1634	37.2
APPLIED MATHEMATICS	1138	2.0	122	10.7	152	13.4	263	23.1	601	52.8
MATHEMATICS	2834	5.1	333	11.8	90	3.2	1521	53.7	890	31.4
STATISTICS	423	.8	67	15.8	58	13.7	155	36.6	143	33.8
LIFE SCIENCES	13696	24.5	2800	20.4	2585	18.9	3001	21.9	5310	38.8
AGRICULTURE	2549	4.5	326	12.8	1039	40.9	180	7.1	995	39.2
ANATOMY	264	.5	78	29.5	19	7.2	57	21.6	110	41.7
BIOCHEMISTRY	833	1.5	197	23.6	214	25.7	174	20.9	248	29.8
BIOLOGY	1650	3.0	225	13.6	123	7.5	686	41.6	616	37.3
BIOMETRY AND BIOSTATISTICS	109	.2	44	40.4	14	12.8	3	2.8	48	44.0
BIOPHYSICS	153	.3	78	51.0	19	12.4	18	11.8	38	24.8
BIOSCIENCES, NEC	803	1.4	62	7.7	74	9.2	387	48.2	280	34.9
BOTANY	654	1.2	62	9.5	154	23.5	221	33.8	217	33.2
CELL BIOLOGY	126	.2	25	19.8	20	15.9	41	32.5	40	31.7
ECOLOGY	141	.3	19	13.5	32	22.7	35	24.8	55	39.0
ENTOMOLOGY AND PARASITOLOGY	284	.5	40	14.1	127	44.7	24	8.5	93	32.7
GENETICS	151	.3	40	26.5	20	13.2	22	14.6	69	45.7
MICROBIOLOGY	913	1.6	182	19.9	146	16.0	247	27.1	338	37.0
NUTRITION	613	1.1	101	16.5	200	32.6	50	8.2	262	42.7
PATHOLOGY	271	.5	136	50.2	21	7.7	8	3.0	106	39.1
PHARMACOLOGY	341	.6	79	23.2	60	17.6	96	28.2	106	31.1
PHYSIOLOGY	577	1.0	108	18.7	61	10.6	127	22.0	281	48.7
ZOOLOGY	917	1.6	82	8.9	108	11.8	446	48.6	281	30.6
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	2356	4.2	916	38.9	134	5.7	179	7.6	1127	47.8
PSYCHOLOGY	4199	7.5	966	23.0	555	13.2	907	21.6	1771	42.2
SOCIAL SCIENCES	12220	21.9	2542	20.8	1399	11.4	2159	17.7	6120	50.1
AGRICULTURAL ECONOMICS	451	.8	76	16.9	205	45.5	18	4.0	152	33.7
ANTHROPOLOGY	1234	2.2	196	15.9	59	4.8	144	11.7	835	67.7
ECONOMICS (EXCEPT AGRICULTURE)	2477	4.4	552	22.3	342	13.8	426	17.2	1157	46.7
GEOGRAPHY	724	1.3	84	11.6	65	9.0	272	37.6	303	41.9
HISTORY AND PHILOSOPHY OF SCIENCE	671	1.2	172	25.6	39	5.8	156	23.2	304	45.3
LINGUISTICS	815	1.5	233	28.6	53	6.5	144	17.7	385	47.2
POLITICAL SCIENCE	2935	5.3	633	21.6	225	7.7	418	14.2	1659	56.5
SOCIOLOGY	2536	4.5	529	20.9	350	13.8	517	20.4	1140	45.0
SOCIOLOGY AND ANTHROPOLOGY	235	.4	36	15.3	60	25.5	64	27.2	75	31.9
ALL OTHER SCIENCES, NEC	75	.1	30	40.0	1	1.3	18	24.0	26	34.7

TABLE A-12. FULL-TIME GRADUATE STUDENTS BEYOND THEIR FIRST YEAR IN ALL GRADUATE DEPARTMENTS, BY FIELD OF SCIENCE AND TYPE OF MAJOR SUPPORT, 1973

AREA AND FIELD OF SCIENCE	TOTAL		FELLOWSHIPS AND TRAINEESHIPS		RESEARCH ASSISTANTSHIPS		TEACHING ASSISTANTSHIPS		OTHER TYPES OF SUPPORT	
	NUMBER	PERCENT DISTRIBUTION	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL
TOTAL, ALL FIELDS OF SCIENCE	108472	100.0	23848	22.0	27008	24.9	28955	26.7	28661	26.4
ENGINEERING	18167	16.7	2706	14.9	7061	38.9	2889	15.9	5509	30.3
AERONAUTICAL	761	.7	54	7.1	368	48.4	87	11.4	252	33.1
AGRICULTURAL	353	.3	43	12.2	187	53.0	17	4.8	106	30.0
CHEMICAL	1904	1.8	353	18.5	869	45.6	344	18.1	338	17.8
CIVIL	2472	2.3	346	14.0	1003	40.6	322	13.0	801	32.4
ELECTRICAL	4099	3.8	570	13.9	1466	35.8	912	22.2	1151	28.1
ENGINEERING SCIENCE	978	.9	153	15.6	392	40.1	213	21.8	220	22.5
INDUSTRIAL	1706	1.6	186	10.9	372	21.8	216	12.7	932	54.6
MECHANICAL	2457	2.3	312	12.7	931	37.9	431	17.5	783	31.9
METALLURGICAL AND MATERIALS	1115	1.0	132	11.8	728	65.3	110	9.9	145	13.0
MINING	182	.2	38	20.9	85	46.7	23	12.6	36	19.8
NUCLEAR	596	.5	144	24.2	233	39.1	65	10.9	154	25.8
PETROLEUM	111	.1	45	40.5	38	34.2	12	10.8	16	14.4
ENGINEERING, NEC	1433	1.3	332	23.2	389	27.1	137	9.6	575	40.1
PHYSICAL SCIENCES	20739	19.1	2606	12.6	7868	37.9	7451	35.9	2814	13.6
ASTRONOMY	434	.4	79	18.2	204	47.0	106	24.4	45	10.4
ATMOSPHERIC SCIENCES	56	.5	51	9.1	307	54.7	48	8.6	155	27.6
CHEMISTRY	8486	7.8	1259	14.8	2785	32.8	3800	44.8	642	7.6
GEOSCIENCES	3389	3.1	344	10.2	975	28.8	1086	32.0	984	29.0
OCEANOGRAPHY	1025	.9	141	13.8	628	61.3	61	6.0	195	19.0
PHYSICS	6844	6.3	732	10.7	2969	43.4	2350	34.3	793	11.6
MATHEMATICAL SCIENCES	8367	7.7	1017	12.2	976	11.7	4263	51.0	2111	25.2
APPLIED MATHEMATICS	1860	1.7	169	9.1	528	28.4	421	22.6	742	39.9
MATHEMATICS	5598	5.2	689	12.3	222	4.0	3552	63.5	1135	20.3
STATISTICS	909	.8	159	17.5	226	24.9	290	31.9	234	25.7
LIFE SCIENCES	27325	25.2	8932	32.7	6971	25.5	5995	21.9	5427	19.9
AGRICULTURE	4311	4.0	660	15.3	2157	50.0	340	7.9	1154	26.8
ANATOMY	606	.6	289	47.7	60	9.9	153	25.1	105	17.3
BIOCHEMISTRY	2420	2.2	1115	46.1	717	29.6	338	14.0	250	10.3
BIOLOGY	3201	3.0	904	28.2	392	12.2	1273	39.8	632	19.7
BIOMETRY AND BIOSTATISTICS	166	.2	85	51.2	16	9.6	11	6.6	54	32.5
BIOPHYSICS	555	.5	327	58.9	131	23.6	40	7.2	57	10.3
BIOSCIENCES, NEC	1511	1.4	354	23.4	226	15.0	605	40.0	326	21.6
BOTANY	1592	1.5	189	11.9	502	31.5	630	39.6	271	17.0
CELL BIOLOGY	358	.3	203	56.7	61	17.0	47	13.1	47	13.1
ECOLOGY	302	.3	51	16.9	97	32.1	73	24.2	81	26.8
ENTOMOLOGY AND PARASITOLOGY	779	.7	125	16.0	393	50.4	100	12.8	161	20.7
GENETICS	521	.5	253	48.6	123	23.6	57	10.9	88	16.9
MICROBIOLOGY	2025	1.9	861	42.5	388	19.2	492	24.3	284	14.0
NUTRITION	1104	1.0	245	22.2	531	48.1	64	5.8	264	23.9
PATHOLOGY	475	.4	294	61.9	44	9.3	19	4.0	118	24.8
PHARMACOLOGY	924	.9	514	55.6	177	19.2	132	14.3	101	10.9
PHYSIOLOGY	1328	1.2	588	44.3	204	15.4	270	20.3	266	20.0
ZOOLOGY	2364	2.2	335	14.2	468	19.8	1024	43.3	537	22.7
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	2783	2.6	1540	55.3	284	10.2	328	11.8	631	22.7
PSYCHOLOGY	10603	9.8	3045	28.7	1361	12.8	2455	23.2	3742	35.3
SOCIAL SCIENCES	23213	21.4	5538	23.9	2760	11.9	5883	25.3	9032	38.9
AGRICULTURAL ECONOMICS	924	.9	151	16.3	484	52.4	48	5.2	241	26.1
ANTHROPOLOGY	2930	2.7	765	26.1	164	5.6	737	25.2	1264	43.1
ECONOMICS (EXCEPT AGRICULTURE)	4516	4.2	1041	23.1	647	14.3	1326	29.4	1502	33.3
GEOGRAPHY	1223	1.1	186	15.2	129	10.5	462	37.8	446	36.5
HISTORY AND PHILOSOPHY OF SCIENCE	1735	1.6	468	27.0	79	4.6	520	30.0	668	38.5
LINGUISTICS	1428	1.3	466	32.6	172	12.0	354	24.8	436	30.5
POLITICAL SCIENCE	4785	4.4	983	20.5	339	7.1	1039	21.7	2424	50.7
SOCIOLOGY	5172	4.8	1303	25.2	668	12.9	1279	24.7	1922	37.2
SOCIOLOGY AND ANTHROPOLOGY	345	.3	80	23.2	74	21.4	113	32.8	78	22.6
ALL OTHER SCIENCES, NEC	58	.1	2	3.4	11	19.0	19	32.8	26	44.8

TABLE A-13. FULL-TIME GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS, BY AREA OF SCIENCE, CITIZENSHIP, AND TYPE OF MAJOR SUPPORT, 1973

	TOTAL	FELLOWSHIPS AND TRAINEESHIPS	RESEARCH ASSISTANTSHIPS	TEACHING ASSISTANTSHIPS	OTHER TYPES OF SUPPORT
TOTAL, ALL AREAS OF SCIENCE	164318	34135	38111	43395	50677
ENGINEERING	31702	5147	10314	4976	11265
PHYSICAL SCIENCES	28465	3594	8878	11780	4213
MATHEMATICAL SCIENCES	12762	1539	1276	6202	3745
LIFE SCIENCES	41021	11732	9556	8996	10737
PSYCHOLOGY	14802	4011	1916	3362	5513
SOCIAL SCIENCES	35433	8040	4159	8042	15152
ALL OTHER SCIENCES, NEC	133	32	12	37	52
U.S. CITIZENS, TOTAL	133547	28674	27284	36373	41216
ENGINEERING	20849	3363	6166	3323	7997
PHYSICAL SCIENCES	22942	2941	7123	9343	3515
MATHEMATICAL SCIENCES	10311	1229	950	5178	2954
LIFE SCIENCES	35118	10117	7772	8139	9082
PSYCHOLOGY	14093	3896	1826	3235	5136
SOCIAL SCIENCES	30122	6478	3436	7122	13086
ALL OTHER SCIENCES, NEC	120	10	11	33	46
FOREIGN STUDENTS, TOTAL	30771	5461	8827	7022	9461
ENGINEERING	10853	1784	4148	1653	3868
PHYSICAL SCIENCES	5523	653	1755	2437	698
MATHEMATICAL SCIENCES	2451	310	326	1024	791
LIFE SCIENCES	5911	1615	1784	857	1655
PSYCHOLOGY	709	115	98	127	377
SOCIAL SCIENCES	5311	1602	723	920	2066
ALL OTHER SCIENCES, NEC	13	2	1	4	6
			PERCENT DISTRIBUTION		
TOTAL, ALL AREAS OF SCIENCE	100.0	100.0	100.0	100.0	100.0
ENGINEERING	19.3	15.1	28.6	11.5	22.2
PHYSICAL SCIENCES	17.3	10.5	24.6	27.1	8.3
MATHEMATICAL SCIENCES	7.8	4.5	3.5	14.3	7.4
LIFE SCIENCES	25.0	34.4	26.5	20.7	21.2
PSYCHOLOGY	9.0	11.8	5.3	7.7	10.9
SOCIAL SCIENCES	21.6	23.7	11.5	18.5	29.9
ALL OTHER SCIENCES, NEC	.1	.1	.0	.1	.1
U.S. CITIZENS, TOTAL	81.3	84.0	75.6	83.8	81.3
ENGINEERING	12.7	11.6	17.1	7.7	14.6
PHYSICAL SCIENCES	14.0	8.7	19.7	21.5	6.9
MATHEMATICAL SCIENCES	6.3	3.6	2.6	11.9	5.8
LIFE SCIENCES	21.4	29.6	21.5	18.8	17.9
PSYCHOLOGY	8.6	11.4	5.1	7.5	10.1
SOCIAL SCIENCES	18.3	19.0	9.5	16.4	25.8
ALL OTHER SCIENCES, NEC	.1	.1	.0	.1	.1
FOREIGN STUDENTS, TOTAL	18.7	16.0	24.4	16.2	18.7
ENGINEERING	6.6	3.5	11.5	3.8	7.6
PHYSICAL SCIENCES	3.4	1.9	4.9	5.6	1.4
MATHEMATICAL SCIENCES	1.5	.9	.9	2.4	1.6
LIFE SCIENCES	3.6	4.7	4.9	2.0	3.3
PSYCHOLOGY	.4	.3	.2	.3	.7
SOCIAL SCIENCES	3.2	4.7	2.0	2.1	4.1
ALL OTHER SCIENCES, NEC	.0	.0	.0	.0	.0
			PERCENT OF TOTAL		
TOTAL, ALL AREAS OF SCIENCE	100.0	20.8	22.0	26.4	30.8
ENGINEERING	100.0	16.2	32.5	15.7	35.5
PHYSICAL SCIENCES	100.0	12.6	31.2	41.4	14.8
MATHEMATICAL SCIENCES	100.0	12.1	10.0	48.6	29.3
LIFE SCIENCES	100.0	28.6	23.3	21.9	26.2
PSYCHOLOGY	100.0	27.1	12.9	22.7	37.2
SOCIAL SCIENCES	100.0	22.8	11.7	22.7	42.8
ALL OTHER SCIENCES, NEC	100.0	24.1	9.0	27.8	39.1
U.S. CITIZENS, TOTAL	100.0	21.5	20.4	27.2	30.9
ENGINEERING	100.0	19.0	29.6	15.9	35.5
PHYSICAL SCIENCES	100.0	12.9	31.0	40.7	15.3
MATHEMATICAL SCIENCES	100.0	11.9	9.2	50.2	28.6
LIFE SCIENCES	100.0	28.8	22.1	23.2	25.9
PSYCHOLOGY	100.0	27.6	13.0	23.0	36.4
SOCIAL SCIENCES	100.0	21.5	11.4	23.6	43.4
ALL OTHER SCIENCES, NEC	100.0	25.0	9.2	27.5	38.3
FOREIGN STUDENTS, TOTAL	100.0	17.7	28.7	22.8	30.7
ENGINEERING	100.0	10.9	38.2	15.2	35.6
PHYSICAL SCIENCES	100.0	11.5	31.8	44.1	12.6
MATHEMATICAL SCIENCES	100.0	12.6	13.3	41.8	32.3
LIFE SCIENCES	100.0	27.3	30.2	14.5	28.0
PSYCHOLOGY	100.0	16.2	12.7	17.9	53.2
SOCIAL SCIENCES	100.0	30.2	13.6	17.3	38.9
ALL OTHER SCIENCES, NEC	100.0	15.4	7.7	10.8	46.2

TABLE A-14. FULL-TIME GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS, BY SOURCE OF MAJOR SUPPORT AND AREA OF SCIENCE, 1973

SOURCE OF MAJOR SUPPORT	TOTAL	ENGINEERING	PHYSICAL SCIENCES	MATHEMATICAL SCIENCES	LIFE SCIENCES	PSYCHOLOGY	SOCIAL SCIENCES	ALL OTHER SCIENCES, NEC
TOTAL, ALL SOURCES OF SUPPORT	164318	31702	28465	12762	41021	14802	35433	133
ALL U.S. SOURCES, TOTAL	160658	30566	28052	12522	39924	14741	34720	133
U.S. GOVERNMENT, TOTAL	43196	10759	8895	1692	12644	4033	5143	30
ATOMIC ENERGY COMMISSION	1562	520	875	37	125	1	4	
DEPARTMENT OF DEFENSE	4722	2887	1003	362	115	89	266	
DEPARTMENT OF H.E.W. TOTAL	15825	1162	1281	242	8320	2760	2032	28
NATIONAL DEFENSE ED. ACT	1698	198	299	111	325	119	646	1
NATIONAL INST. OF HEALTH	10197	682	899	117	6849	1074	574	2
OTHER H.E.W.	3930	282	83	14	1146	1568	812	25
N.A.S.A.	1244	564	575	10	73	7	15	
NATIONAL SCIENCE FOUNDATION	9682	2593	3893	777	1204	373	842	
ALL OTHER U.S. GOVT	10161	3033	1268	264	2807	803	1984	2
OTHER U.S. SOURCES	117462	19807	19157	10830	27280	10708	29577	103
INSTITUTIONAL SUPPORT	68448	9513	14926	7537	16093	5720	14604	55
SELF-SUPPORT	38895	7436	2963	2793	8712	4017	12928	46
ALL OTHER U.S. SOURCES	10119	2858	1268	500	2475	971	2045	2
FOREIGN SOURCES, TOTAL	3660	1136	413	240	1097	61	713	
SOURCE OF MAJOR SUPPORT				PERCENT DISTRIBUTION				
TOTAL, ALL SOURCES OF SUPPORT	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
ALL U.S. SOURCES, TOTAL	97.8	96.4	98.5	98.1	97.3	99.6	98.0	100.0
U.S. GOVERNMENT, TOTAL	26.3	33.9	31.2	13.3	30.8	27.2	14.5	22.6
ATOMIC ENERGY COMMISSION	1.0	1.6	3.1	.3	.3	.0	.0	
DEPARTMENT OF DEFENSE	2.9	9.1	3.5	2.8	.3	.6	.8	
DEPARTMENT OF H.E.W. TOTAL	9.6	3.7	4.5	1.9	20.3	18.6	5.7	21.1
NATIONAL DEFENSE ED. ACT	1.0	.6	1.1	.9	.8	.8	1.8	.8
NATIONAL INST. OF HEALTH	6.2	2.2	3.2	.9	16.7	7.3	1.6	1.5
OTHER H.E.W.	.4	.9	.3	.1	2.8	10.6	2.3	18.8
N.A.S.A.	.8	1.8	2.0	.1	.2	.0	.0	
NATIONAL SCIENCE FOUNDATION	5.9	8.2	13.7	6.1	2.9	2.5	2.4	
ALL OTHER U.S. GOVT	6.2	9.6	4.5	2.1	6.8	5.4	5.6	1.5
OTHER U.S. SOURCES	71.5	62.5	67.3	84.9	66.5	72.3	83.3	77.4
INSTITUTIONAL SUPPORT	41.7	30.0	52.4	59.1	39.2	38.6	41.2	41.4
SELF-SUPPORT	23.7	23.5	10.4	21.9	21.2	27.1	36.5	34.6
ALL OTHER U.S. SOURCES	6.2	9.0	4.5	3.9	6.0	6.6	5.8	1.5
FOREIGN SOURCES, TOTAL	2.2	3.6	1.5	1.9	2.7	.4	2.0	
SOURCE OF MAJOR SUPPORT				PERCENT OF TOTAL				
TOTAL, ALL SOURCES OF SUPPORT	100.0	19.3	17.3	7.8	25.0	9.0	21.6	.1
ALL U.S. SOURCES, TOTAL	100.0	19.0	17.5	7.8	24.9	9.2	21.6	.1
U.S. GOVERNMENT, TOTAL	100.0	24.9	20.6	3.9	29.3	9.3	11.9	.1
ATOMIC ENERGY COMMISSION	100.0	33.3	56.0	2.4	8.0	.1	.3	
DEPARTMENT OF DEFENSE	100.0	61.1	21.2	7.7	2.4	1.9	5.6	
DEPARTMENT OF H.E.W. TOTAL	100.0	7.3	8.1	1.5	52.6	17.4	12.8	.2
NATIONAL DEFENSE ED. ACT	100.0	11.7	17.6	6.5	19.1	6.9	38.0	.1
NATIONAL INST. OF HEALTH	100.0	6.7	8.8	1.1	67.2	10.5	5.6	.0
OTHER H.E.W.	100.0	7.2	2.1	.4	29.2	39.9	20.7	.6
N.A.S.A.	100.0	45.3	46.2	.8	5.9	.6	1.2	
NATIONAL SCIENCE FOUNDATION	100.0	26.8	40.2	8.0	12.4	3.9	8.7	
ALL OTHER U.S. GOVT	100.0	29.8	12.5	2.6	27.6	7.9	19.5	.0
OTHER U.S. SOURCES	100.0	16.9	16.3	9.2	23.2	9.1	25.2	.1
INSTITUTIONAL SUPPORT	100.0	13.9	21.8	11.0	23.5	8.4	21.3	.1
SELF-SUPPORT	100.0	19.1	7.6	7.2	22.4	10.3	33.2	.1
ALL OTHER U.S. SOURCES	100.0	28.2	12.5	4.9	24.5	9.6	20.2	.0
FOREIGN SOURCES, TOTAL	100.0	31.0	11.3	6.6	30.0	1.7	19.5	

TABLE A-15. FIRST-YEAR FULL-TIME GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS, BY SOURCE OF MAJOR SUPPORT AND AREA OF SCIENCE, 1973

SOURCE OF MAJOR SUPPORT	TOTAL	ENGINEERING	PHYSICAL SCIENCES	MATHEMATICAL SCIENCES	LIFE SCIENCES	PSYCHOLOGY	SOCIAL SCIENCES	ALL OTHER SCIENCES, NEC
TOTAL, ALL SOURCES OF SUPPORT	55846	13535	7726	4395	13696	4199	12220	75
ALL U.S. SOURCES, TOTAL	54285	12960	7586	4301	13240	4178	11945	75
U.S. GOVERNMENT, TOTAL	10092	3670	1103	458	2483	949	1403	26
ATOMIC ENERGY COMMISSION	232	157	55	3	16		1	
DEPARTMENT OF DEFENSE	1573	1075	174	126	35	19	140	
DEPARTMENT OF H.E.W. TOTAL	2660	280	58	29	1269	678	321	25
NATIONAL DEFENSE ED. ACT	168	13	13	7	23	9	95	
NATIONAL INST. OF HEALTH	1426	115	29	20	941	265	57	
OTHER H.E.W.	1074	152	17	2	305	404	169	25
N.A.S.A.	313	174	99	5	25	3	5	
NATIONAL SCIENCE FOUNDATION	1906	724	443	206	277	74	182	
ALL OTHER U.S. GOVT	3408	1258	270	89	861	175	754	1
OTHER U.S. SOURCES	44193	9290	6483	3843	10757	3229	10542	49
INSTITUTIONAL SUPPORT	23369	4102	5193	2417	5441	1563	4627	26
SELF-SUPPORT	17555	3960	1019	1262	4502	1512	5280	21
ALL OTHER U.S. SOURCES	3269	1228	272	164	814	154	635	2
FOREIGN SOURCES, TOTAL	1561	575	140	94	456	21	275	
SOURCE OF MAJOR SUPPORT	PERCENT DISTRIBUTION							
TOTAL, ALL SOURCES OF SUPPORT	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
ALL U.S. SOURCES, TOTAL	97.2	95.8	98.2	97.9	96.7	99.5	97.7	100.0
U.S. GOVERNMENT, TOTAL	18.1	27.1	14.3	10.4	18.1	22.6	11.5	34.7
ATOMIC ENERGY COMMISSION	.4	1.2	.7	.1	.1		.0	
DEPARTMENT OF DEFENSE	2.8	7.9	2.3	2.9	.3	.5	1.1	
DEPARTMENT OF H.E.W. TOTAL	4.8	2.1	.8	.7	9.3	16.1	2.6	33.3
NATIONAL DEFENSE ED. ACT	.3	.1	.2	.2	.2	.2	.8	
NATIONAL INST. OF HEALTH	2.6	.8	.4	.5	6.9	6.3	.5	
OTHER H.E.W.	1.9	1.1	.2	.0	2.2	9.6	1.4	33.3
N.A.S.A.	.6	1.3	1.3	.1	.2	.1	.0	
NATIONAL SCIENCE FOUNDATION	3.4	5.3	5.7	4.7	2.0	1.8	1.5	
ALL OTHER U.S. GOVT	6.1	9.3	3.5	2.0	6.3	4.2	6.2	1.3
OTHER U.S. SOURCES	79.1	68.6	83.9	87.4	78.5	76.9	86.3	65.3
INSTITUTIONAL SUPPORT	41.8	30.3	67.2	55.0	39.7	37.2	37.9	34.7
SELF-SUPPORT	31.4	29.3	13.2	28.7	32.9	36.0	43.2	28.0
ALL OTHER U.S. SOURCES	5.9	9.1	3.5	3.7	5.9	3.7	5.2	2.7
FOREIGN SOURCES, TOTAL	2.8	4.2	1.8	2.1	3.3	.5	2.3	
SOURCE OF MAJOR SUPPORT	PERCENT OF TOTAL							
TOTAL, ALL SOURCES OF SUPPORT	100.0	24.2	13.8	7.9	24.5	7.5	21.9	
ALL U.S. SOURCES, TOTAL	100.0	23.9	14.0	7.9	24.4	7.7	22.0	.1
U.S. GOVERNMENT, TOTAL	100.0	36.4	10.9	4.5	24.6	9.4	13.9	.3
ATOMIC ENERGY COMMISSION	100.0	67.7	23.7	1.3	6.9		.4	
DEPARTMENT OF DEFENSE	100.0	68.3	11.3	8.0	2.2	1.2	8.9	
DEPARTMENT OF H.E.W. TOTAL	100.0	10.5	2.2	1.1	47.7	25.5	12.1	.9
NATIONAL DEFENSE ED. ACT	100.0	8.1	8.1	4.4	14.4	5.6	59.4	
NATIONAL INST. OF HEALTH	100.0	8.1	2.0	1.4	66.0	18.6	4.0	
OTHER H.E.W.	100.0	14.7	1.6	.2	28.4	37.6	15.7	2.3
N.A.S.A.	100.0	56.2	31.6	1.6	8.0	1.0	1.6	
NATIONAL SCIENCE FOUNDATION	100.0	38.0	23.2	10.8	14.5	3.9	9.5	
ALL OTHER U.S. GOVT	100.0	36.9	7.9	2.6	25.3	5.1	22.1	.0
OTHER U.S. SOURCES	100.0	21.0	14.7	8.7	24.3	7.3	23.9	.1
INSTITUTIONAL SUPPORT	100.0	17.6	22.2	10.3	23.3	6.7	19.8	.1
SELF-SUPPORT	100.0	22.6	5.8	7.2	25.6	8.6	30.1	.1
ALL OTHER U.S. SOURCES	100.0	37.6	8.0	5.0	24.9	4.7	19.4	.1
FOREIGN SOURCES, TOTAL	100.0	36.8	9.0	6.0	29.2	1.3	17.6	

TABLE A-16. FULL-TIME GRADUATE STUDENTS BEYOND THEIR FIRST YEAR IN ALL GRADUATE DEPARTMENTS, BY SOURCE OF MAJOR SUPPORT AND AREA OF SCIENCE, 1973

SOURCE OF MAJOR SUPPORT	TOTAL	ENGINEERING	PHYSICAL SCIENCES	MATHEMATICAL SCIENCES	LIFE SCIENCES	PSYCHOLOGY	SOCIAL SCIENCES	ALL OTHER SCIENCES, NEC
TOTAL, ALL SOURCES OF SUPPORT	108472	18167	20739	8367	27325	10603	23213	58
ALL U.S. SOURCES, TOTAL	106373	17606	20466	8221	26684	10563	22775	58
U.S. GOVERNMENT, TOTAL	33104	7089	7792	1234	10161	3084	3740	4
ATOMIC ENERGY COMMISSION	1338	361	820	34	109	1	3	
DEPARTMENT OF DEFENSE	3149	1812	825	236	80	70	126	
DEPARTMENT OF H.E.W. TOTAL	13165	882	1223	213	7051	2082	1711	3
NATIONAL DEFENSE ED. ACT	1538	185	286	104	302	109	551	1
NATIONAL INST. OF HEALTH	8771	567	871	97	5908	809	517	2
OTHER H.E.W.	2856	130	66	12	841	1164	643	
N.A.S.A.	931	384	476	5	48	4	10	
NATIONAL SCIENCE FOUNDATION	7776	1869	3450	571	927	299	660	
ALL OTHER U.S. GOVT	6753	1775	998	175	1946	628	1230	1
OTHER U.S. SOURCES	73269	10517	12674	6987	16523	7479	19035	54
INSTITUTIONAL SUPPORT	45079	5411	9733	5120	10652	4157	9977	29
SELF-SUPPORT	21340	3476	1945	1531	4210	2505	7648	25
ALL OTHER U.S. SOURCES	6850	1630	996	336	1661	817	1410	
FOREIGN SOURCES, TOTAL	2099	561	273	146	641	40	438	
SOURCE OF MAJOR SUPPORT	PERCENT DISTRIBUTION							
TOTAL, ALL SOURCES OF SUPPORT	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
ALL U.S. SOURCES, TOTAL	98.1	96.9	98.7	98.3	97.7	99.6	98.1	100.0
U.S. GOVERNMENT, TOTAL	30.5	39.0	37.6	14.7	37.2	29.1	16.1	6.9
ATOMIC ENERGY COMMISSION	1.2	2.0	4.0	.4	.4	.0	.0	
DEPARTMENT OF DEFENSE	2.9	10.0	4.0	2.8	.3	.7	.5	
DEPARTMENT OF H.E.W. TOTAL	12.1	4.9	5.9	2.5	25.8	19.6	7.4	5.2
NATIONAL DEFENSE ED. ACT	1.4	1.0	1.4	1.2	1.1	1.0	2.4	1.7
NATIONAL INST. OF HEALTH	8.1	3.1	4.2	1.2	21.6	7.6	2.2	3.4
OTHER H.E.W.	2.6	.7	.3	.1	3.1	11.0	2.8	
N.A.S.A.	.9	2.1	2.3	.1	.2	.0	.0	
NATIONAL SCIENCE FOUNDATION	7.2	10.3	16.6	6.8	3.4	2.8	2.8	
ALL OTHER U.S. GOVT	6.2	9.8	4.8	2.1	7.1	5.9	5.3	1.7
OTHER U.S. SOURCES	67.5	57.9	61.1	83.5	60.5	70.5	82.0	93.1
INSTITUTIONAL SUPPORT	41.6	29.8	46.9	61.2	39.0	39.2	43.0	50.0
SELF-SUPPORT	19.7	19.1	9.4	18.3	15.4	23.6	32.9	43.1
ALL OTHER U.S. SOURCES	6.3	9.0	4.8	4.0	6.1	7.7	6.1	
FOREIGN SOURCES, TOTAL	1.9	3.1	1.3	1.7	2.3	.4	1.9	
SOURCE OF MAJOR SUPPORT	PERCENT OF TOTAL							
TOTAL, ALL SOURCES OF SUPPORT	100.0	16.7	19.1	7.7	25.2	9.8	21.4	.1
ALL U.S. SOURCES, TOTAL	100.0	16.6	19.2	7.7	25.1	9.9	21.4	.1
U.S. GOVERNMENT, TOTAL	100.0	21.4	23.5	3.7	30.7	9.3	11.3	.0
ATOMIC ENERGY COMMISSION	100.0	27.3	61.7	2.6	8.2	.1	.2	
DEPARTMENT OF DEFENSE	100.0	57.5	26.2	7.5	2.5	2.2	4.[illegible]	
DEPARTMENT OF H.E.W. TOTAL	100.0	6.7	9.3	1.6	53.6	15.8	13.0	.0
NATIONAL DEFENSE ED. ACT	100.0	12.0	18.6	6.8	19.6	7.1	35.8	.1
NATIONAL INST. OF HEALTH	100.0	6.5	9.9	1.1	67.4	9.2	5.9	.0
OTHER H.E.W.	100.0	4.6	2.3	.4	29.4	40.8	22.5	
N.A.S.A.	100.0	41.7	51.1	.5	5.2	.4	1.1	
NATIONAL SCIENCE FOUNDATION	100.0	24.0	44.4	7.3	11.9	3.8	8.5	
ALL OTHER U.S. GOVT	100.0	26.3	14.8	2.6	28.8	9.3	18.2	.0
OTHER U.S. SOURCES	100.0	14.4	17.3	9.5	22.6	10.2	26.0	.1
INSTITUTIONAL SUPPORT	100.0	12.0	21.6	11.4	23.6	9.2	22.1	.1
SELF-SUPPORT	100.0	16.3	9.1	7.2	19.7	11.7	35.8	.1
ALL OTHER U.S. SOURCES	100.0	23.8	14.5	4.9	24.2	11.9	20.6	
FOREIGN SOURCES, TOTAL	100.0	26.7	13.0	7.0	30.5	1.9	20.9	

TABLE A-17. FULL-TIME GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS, BY SOURCE OF MAJOR SUPPORT, AREA OF SCIENCE AND SEX OF STUDENT, 1973

SOURCE OF MAJOR SUPPORT	TOTAL	ENGI-NEERING	PHYSICAL SCIENCES	MATHE-MATICAL SCIENCES	LIFE SCIENCES	PSYCHOLOGY	SOCIAL SCIENCES	ALL OTHER SCIENCES, NEC
TOTAL, ALL SOURCES OF SUPPORT	164318	31702	28465	12762	41021	14802	35433	133
ALL U.S. SOURCES, TOTAL	160658	30566	28052	12522	39924	14741	34720	133
U.S. GOVERNMENT, TOTAL	43196	10759	9895	1692	12644	4033	5143	30
ATOMIC ENERGY COMMISSION	1562	528	875	37	125	1	4	
DEPARTMENT OF DEFENSE	4722	2887	1003	362	115	89	266	
DEPARTMENT OF H.E.W. TOTAL	15825	1162	1281	242	8328	2760	2032	28
NATIONAL DEFENSE ED. ACT	1698	198	299	111	325	118	646	1
NATIONAL INST. OF HEALTH	10197	682	899	117	6849	1074	574	2
OTHER H.E.W.	3930	282	83	14	1146	1568	812	25
N.A.S.A.	1244	564	575	10	73	7	15	
NATIONAL SCIENCE FOUNDATION	9682	2593	1893	777	1204	373	842	
ALL OTHER U.S. GOVT	10161	3033	1268	264	2807	803	1984	2
OTHER U.S. SOURCES	117462	19807	19157	10830	27280	10708	29577	103
INSTITUTIONAL SUPPORT	68448	9513	14926	7537	16093	5720	14604	55
SELF-SUPPORT	38895	7436	2963	2793	8712	4817	12928	46
ALL OTHER U.S. SOURCES	10119	2858	1268	500	2475	971	2045	2
FOREIGN SOURCES, TOTAL	3660	1136	413	240	1097	61	713	
SOURCE OF MAJOR SUPPORT				MEN				
TOTAL, ALL SOURCES OF SUPPORT	132596	30733	25298	10368	30776	9393	25937	91
ALL U.S. SOURCES, TOTAL	129282	29625	24915	10166	29807	9357	25321	91
U.S. GOVERNMENT, TOTAL	36017	10486	8169	1488	9469	2605	3783	17
ATOMIC ENERGY COMMISSION	1459	505	823	32	95	1	3	
DEPARTMENT OF DEFENSE	4580	2850	946	346	108	75	255	
DEPARTMENT OF H.E.W. TOTAL	11266	1102	1107	205	5822	1724	1291	15
NATIONAL DEFENSE ED. ACT	1349	192	259	95	243	74	486	
NATIONAL INST. OF HEALTH	7481	644	775	99	4939	679	343	2
OTHER H.E.W.	2436	266	73	11	640	971	462	13
N.A.S.A.	1195	555	549	8	63	5	15	
NATIONAL SCIENCE FOUNDATION	8553	2527	3569	666	934	239	618	
ALL OTHER U.S. GOVT	8964	2947	1175	231	2447	561	1601	2
OTHER U.S. SOURCES	93265	19139	16746	8678	20338	6752	21538	74
INSTITUTIONAL SUPPORT	54768	9230	12979	6845	12114	3655	10707	38
SELF-SUPPORT	30017	7129	2614	2216	6248	2453	9323	34
ALL OTHER U.S. SOURCES	8450	2780	1153	417	1976	644	1508	2
FOREIGN SOURCES, TOTAL	3314	1108	383	202	969	36	616	
SOURCE OF MAJOR SUPPORT				WOMEN				
TOTAL, ALL SOURCES OF SUPPORT	31722	969	3167	2394	10245	5409	9496	42
ALL U.S. SOURCES, TOTAL	31376	941	3137	2356	10117	5384	9399	42
U.S. GOVERNMENT, TOTAL	7179	273	726	204	3175	1428	1360	13
ATOMIC ENERGY COMMISSION	103	15	52	5	30		1	
DEPARTMENT OF DEFENSE	142	37	57	16	7	14	11	
DEPARTMENT OF H.E.W. TOTAL	4559	60	174	37	2498	1036	741	13
NATIONAL DEFENSE ED. ACT	349	6	40	16	82	44	160	1
NATIONAL INST. OF HEALTH	2716	38	124	18	1910	395	231	
OTHER H.E.W.	1494	16	10	3	506	597	350	12
N.A.S.A.	49	9	26	2	10	2		
NATIONAL SCIENCE FOUNDATION	1129	66	324	111	270	134	224	
ALL OTHER U.S. GOVT	1197	86	93	33	360	242	383	
OTHER U.S. SOURCES	24197	668	2411	2152	6942	3956	8039	29
INSTITUTIONAL SUPPORT	13680	283	1947	1492	3979	2065	3897	17
SELF-SUPPORT	8878	307	349	577	2464	1564	3605	12
ALL OTHER U.S. SOURCES	1639	78	115	83	499	327	537	
FOREIGN SOURCES, TOTAL	346	28	30	38	128	25	97	

TABLE A-18. FULL-TIME GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS, BY SOURCE AND TYPE OF MAJOR SUPPORT, 1973

SOURCE OF MAJOR SUPPORT	TOTAL	FELLOWSHIPS AND TRAINEESHIPS	RESEARCH ASSISTANTSHIPS	TEACHING ASSISTANTSHIPS	OTHER TYPES OF SUPPORT
TOTAL, ALL SOURCES OF SUPPORT	164318	34135	36111	43395	50677
ALL U.S. SOURCES, TOTAL	160658	31975	35954	43395	49334
U.S. GOVERNMENT, TOTAL	43196	18102	20664	323	4107
ATOMIC ENERGY COMMISSION	1562	184	1330		48
DEPARTMENT OF DEFENSE	4722	332	2402		1988
DEPARTMENT OF H.E.W. TOTAL	15825	11786	3758	126	155
NATIONAL DEFENSE ED. ACT	1698	1652	37		9
NATIONAL INST. OF HEALTH	10197	7088	2961	50	98
OTHER H.E.W.	3930	3046	760	76	48
N.A.S.A.	1244	58	1150		36
NATIONAL SCIENCE FOUNDATION	9682	2538	6921	87	136
ALL OTHER U.S. GOVT	10161	3204	5103	110	1744
OTHER U.S. SOURCES	117462	13873	15290	43072	45227
INSTITUTIONAL SUPPORT	68448	9944	12098	42789	3617
SELF-SUPPORT	38895				38895
ALL OTHER U.S. SOURCES	10119	3929	3192	283	2715
FOREIGN SOURCES, TOTAL	3660	2160	157		1343
SOURCE OF MAJOR SUPPORT			PERCENT DISTRIBUTION		
TOTAL, ALL SOURCES OF SUPPORT	100.0	100.0	100.0	100.0	100.0
ALL U.S. SOURCES, TOTAL	97.8	93.7	99.6	100.0	97.3
U.S. GOVERNMENT, TOTAL	26.3	53.0	57.2	.7	8.1
ATOMIC ENERGY COMMISSION	1.0	.5	3.7		.1
DEPARTMENT OF DEFENSE	2.9	1.0	6.7		3.9
DEPARTMENT OF H.E.W. TOTAL	9.6	34.5	10.4	.3	.3
NATIONAL DEFENSE ED. ACT	1.0	4.8	.1		.0
NATIONAL INST. OF HEALTH	6.2	20.8	8.2	.1	.2
OTHER H.E.W.	2.4	8.9	2.1	.2	.1
N.A.S.A.	.8	.2	3.2		.1
NATIONAL SCIENCE FOUNDATION	5.9	7.4	19.2	.2	.3
ALL OTHER U.S. GOVT	6.2	9.4	14.1	.3	3.4
OTHER U.S. SOURCES	71.5	40.6	42.3	99.3	89.2
INSTITUTIONAL SUPPORT	41.7	29.1	33.5	98.6	7.1
SELF-SUPPORT	23.7				76.8
ALL OTHER U.S. SOURCES	6.2	11.5	8.8	.7	5.4
FOREIGN SOURCES, TOTAL	2.2	6.3	.4		2.7
SOURCE OF MAJOR SUPPORT			PERCENT OF TOTAL		
TOTAL, ALL SOURCES OF SUPPORT	100.0	20.8	22.0	26.4	30.8
ALL U.S. SOURCES, TOTAL	100.0	19.9	22.4	27.0	30.7
U.S. GOVERNMENT, TOTAL	100.0	41.9	47.8	.7	9.5
ATOMIC ENERGY COMMISSION	100.0	11.8	85.1		3.1
DEPARTMENT OF DEFENSE	100.0	7.0	50.9		42.1
DEPARTMENT OF H.E.W. TOTAL	100.0	74.5	23.7	.8	1.0
NATIONAL DEFENSE ED. ACT	100.0	97.3	2.2		.5
NATIONAL INST. OF HEALTH	100.0	69.5	29.0	.5	1.0
OTHER H.E.W.	100.0	77.5	19.3	1.9	1.2
N.A.S.A.	100.0	4.7	92.4		2.9
NATIONAL SCIENCE FOUNDATION	100.0	26.2	71.5	.9	1.4
ALL OTHER U.S. GOVT	100.0	31.5	50.2	1.1	17.2
OTHER U.S. SOURCES	100.0	11.8	13.0	36.7	38.5
INSTITUTIONAL SUPPORT	100.0	14.5	17.7	62.5	5.3
SELF-SUPPORT	100.0				100.0
ALL OTHER U.S. SOURCES	100.0	38.8	31.5	2.8	26.8
FOREIGN SOURCES, TOTAL	100.0	59.0	4.3		36.7

TABLE A-19. FIRST-YEAR FULL-TIME GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS, BY SOURCE AND TYPE OF MAJOR SUPPORT, 1973

SOURCE OF MAJOR SUPPORT	TOTAL	FELLOWSHIPS AND TRAINEESHIPS	RESEARCH ASSISTANTSHIPS	TEACHING ASSISTANTSHIPS	OTHER TYPES OF SUPPORT
TOTAL, ALL SOURCES OF SUPPORT	55846	10287	9103	14440	22016
ALL U.S. SOURCES, TOTAL	54285	9473	9047	14440	21365
U.S. GOVERNMENT, TOTAL	10092	4177	4168	118	1629
ATOMIC ENERGY COMMISSION	232	58	153		21
DEPARTMENT OF DEFENSE	1573	185	565		823
DEPARTMENT OF H.E.W. TOTAL	2660	1869	708	40	43
NATIONAL DEFENSE ED. ACT	160	152	7		1
NATIONAL INST. OF HEALTH	1426	855	522	14	35
OTHER H.E.W.	1074	862	179	26	7
N.A.S.A.	313	18	285		10
NATIONAL SCIENCE FOUNDATION	1906	640	1189	29	48
ALL OTHER U.S. GOVT	3408	1407	1268	49	684
OTHER U.S. SOURCES	44193	5256	4879	14322	19736
INSTITUTIONAL SUPPORT	23369	4027	3837	14217	1288
SELF-SUPPORT	17555				17555
ALL OTHER U.S. SOURCES	3269	1229	1042	105	893
FOREIGN SOURCES, TOTAL	1561	854	56		651
SOURCE OF MAJOR SUPPORT			PERCENT DISTRIBUTION		
TOTAL, ALL SOURCES OF SUPPORT	100.0	100.0	100.0	100.0	100.0
ALL U.S. SOURCES, TOTAL	97.2	91.7	99.4	100.0	97.0
U.S. GOVERNMENT, TOTAL	18.1	40.6	45.8	.8	7.4
ATOMIC ENERGY COMMISSION	.4	.6	1.7		.1
DEPARTMENT OF DEFENSE	2.8	1.8	6.2		3.7
DEPARTMENT OF H.E.W. TOTAL	4.8	18.2	7.8	.3	.2
NATIONAL DEFENSE ED. ACT	.3	1.5	.1		.0
NATIONAL INST. OF HEALTH	2.6	8.3	5.7	.1	.2
OTHER H.E.W.	1.9	8.4	2.0	.2	.0
N.A.S.A.	.6	.2	3.1		.0
NATIONAL SCIENCE FOUNDATION	3.4	6.2	13.1	.2	.2
ALL OTHER U.S. GOVT	6.1	13.7	13.9	.3	3.1
OTHER U.S. SOURCES	79.1	51.1	53.6	99.2	89.6
INSTITUTIONAL SUPPORT	41.8	39.1	42.2	98.5	5.9
SELF-SUPPORT	31.4				79.7
ALL OTHER U.S. SOURCES	5.9	11.9	11.4	.7	4.1
FOREIGN SOURCES, TOTAL	2.8	8.3	.6		3.0
SOURCE OF MAJOR SUPPORT			PERCENT OF TOTAL		
TOTAL, ALL SOURCES OF SUPPORT	100.0	18.4	16.3	25.9	39.4
ALL U.S. SOURCES, TOTAL	100.0	17.4	16.7	26.6	39.4
U.S. GOVERNMENT, TOTAL	100.0	41.4	41.3	1.2	16.1
ATOMIC ENERGY COMMISSION	100.0	25.0	65.9		9.1
DEPARTMENT OF DEFENSE	100.0	11.8	35.9		52.3
DEPARTMENT OF H.E.W. TOTAL	100.0	70.3	26.6	1.5	1.6
NATIONAL DEFENSE ED. ACT	100.0	95.0	4.4		.6
NATIONAL INST. OF HEALTH	100.0	60.0	36.6	1.0	2.5
OTHER H.E.W.	100.0	80.3	16.7	2.4	.7
N.A.S.A.	100.0	5.8	91.1		3.2
NATIONAL SCIENCE FOUNDATION	100.0	33.6	62.4	1.5	2.5
ALL OTHER U.S. GOVT	100.0	41.3	37.2	1.4	20.1
OTHER U.S. SOURCES	100.0	11.9	11.0	32.4	44.7
INSTITUTIONAL SUPPORT	100.0	17.2	16.4	60.8	5.5
SELF-SUPPORT	100.0				100.0
ALL OTHER U.S. SOURCES	100.0	37.6	31.9	3.2	27.3
FOREIGN SOURCES, TOTAL	100.0	54.7	3.6		41.7

TABLE A-20. FULL-TIME GRADUATE STUDENTS BEYOND THEIR FIRST YEAR IN ALL GRADUATE DEPARTMENTS, BY SOURCE AND TYPE OF MAJOR SUPPORT, 1973

SOURCE OF MAJOR SUPPORT	TOTAL	FELLOWSHIPS AND TRAINEESHIPS	RESEARCH ASSISTANTSHIPS	TEACHING ASSISTANTSHIPS	OTHER TYPES OF SUPPORT
TOTAL, ALL SOURCES OF SUPPORT	108472	23848	27008	28955	28661
ALL U.S. SOURCES, TOTAL	106373	22542	26907	28955	27969
U.S. GOVERNMENT, TOTAL	33104	13925	16496	205	2478
ATOMIC ENERGY COMMISSION	1330	126	1177		27
DEPARTMENT OF DEFENSE	3149	147	1837		1165
DEPARTMENT OF H.E.W. TOTAL	13165	9917	3050	86	112
NATIONAL DEFENSE ED. ACT	1538	1500	30		8
NATIONAL INST. OF HEALTH	8771	6233	2439	36	63
OTHER H.E.W.	2856	2184	581	50	41
N.A.S.A.	931	40	865		26
NATIONAL SCIENCE FOUNDATION	7776	1898	5732	58	88
ALL OTHER U.S. GOVT	6753	1797	3835	61	1060
OTHER U.S. SOURCES	73269	8617	10411	28750	25491
INSTITUTIONAL SUPPORT	45079	5917	8261	28572	2329
SELF-SUPPORT	21340				21340
ALL OTHER U.S. SOURCES	6850	2700	2150	178	1822
FOREIGN SOURCES, TOTAL	2099	1306	101		692
SOURCE OF MAJOR SUPPORT			PERCENT DISTRIBUTION		
TOTAL, ALL SOURCES OF SUPPORT	100.0	100.0	100.0	100.0	100.0
ALL U.S. SOURCES, TOTAL	98.1	94.5	99.6	100.0	97.6
U.S. GOVERNMENT, TOTAL	30.5	58.4	61.1	.7	8.6
ATOMIC ENERGY COMMISSION	1.2	.5	4.4		.1
DEPARTMENT OF DEFENSE	2.9	.6	6.8		4.1
DEPARTMENT OF H.E.W. TOTAL	12.1	41.6	11.3	.3	.4
NATIONAL DEFENSE ED. ACT	1.4	6.3	.1		.0
NATIONAL INST. OF HEALTH	8.1	26.1	9.0	.1	.2
OTHER H.E.W.	2.6	9.2	2.2	.2	.1
N.A.S.A.	.9	.2	3.2		.1
NATIONAL SCIENCE FOUNDATION	7.2	8.0	21.2	.2	.3
ALL OTHER U.S. GOVT	6.2	7.5	14.2	.2	3.7
OTHER U.S. SOURCES	67.5	36.1	38.5	99.3	88.9
INSTITUTIONAL SUPPORT	41.6	24.8	30.6	98.7	8.1
SELF-SUPPORT	19.7				74.5
ALL OTHER U.S. SOURCES	6.3	11.3	8.0	.6	6.4
FOREIGN SOURCES, TOTAL	1.9	5.5	.4		2.4
SOURCE OF MAJOR SUPPORT			PERCENT OF TOTAL		
TOTAL, ALL SOURCES OF SUPPORT	100.0	22.0	24.9	26.7	26.4
ALL U.S. SOURCES, TOTAL	100.0	21.2	25.3	27.2	26.3
U.S. GOVERNMENT, TOTAL	100.0	42.1	49.8	.6	7.5
ATOMIC ENERGY COMMISSION	100.0	9.5	88.5		2.0
DEPARTMENT OF DEFENSE	100.0	4.7	58.3		37.0
DEPARTMENT OF H.E.W. TOTAL	100.0	75.3	23.2	.7	.9
NATIONAL DEFENSE ED. ACT	100.0	97.5	2.0		.5
NATIONAL INST. OF HEALTH	100.0	71.1	27.8	.4	.7
OTHER H.E.W.	100.0	76.5	20.3	1.8	1.4
N.A.S.A.	100.0	4.3	92.9		2.8
NATIONAL SCIENCE FOUNDATION	100.0	24.4	73.7	.7	1.1
ALL OTHER U.S. GOVT	100.0	26.6	56.8	.9	15.7
OTHER U.S. SOURCES	100.0	11.8	14.2	39.2	34.8
INSTITUTIONAL SUPPORT	100.0	13.1	18.3	63.4	5.2
SELF-SUPPORT	100.0				100.0
ALL OTHER U.S. SOURCES	100.0	39.4	31.4	2.6	26.6
FOREIGN SOURCES, TOTAL	100.0	62.2	4.8		33.0

TABLE A-21. FULL-TIME GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS OF PUBLICLY CONTROLLED INSTITUTIONS, BY SOURCE AND TYPE OF MAJOR SUPPORT, 1973

SOURCE OF MAJOR SUPPORT	TOTAL	FELLOWSHIPS AND TRAINEESHIPS	RESEARCH ASSISTANTSHIPS	TEACHING ASSISTANTSHIPS	OTHER TYPES OF SUPPORT
TOTAL, ALL SOURCES OF SUPPORT	120072	19497	27637	35143	37795
ALL U.S. SOURCES, TOTAL	117732	18174	27501	35143	36914
U.S. GOVERNMENT, TOTAL	29392	11302	14349	272	3469
ATOMIC ENERGY COMMISSION	1121	132	946		43
DEPARTMENT OF DEFENSE	3352	198	1344		1810
DEPARTMENT OF H.E.W. TOTAL	10317	7299	2783	113	122
NATIONAL DEFENSE ED. ACT	1102	1068	28		6
NATIONAL INST. OF HEALTH	6586	4334	2134	44	74
OTHER H.E.W.	2629	1897	621	69	42
N.A.S.A.	765	43	690		32
NATIONAL SCIENCE FOUNDATION	5748	1249	4370	62	67
ALL OTHER U.S. GOVT	8089	2381	4216	97	1395
OTHER U.S. SOURCES	88340	6872	13152	34871	33445
INSTITUTIONAL SUPPORT	52775	4671	10634	34656	2814
SELF-SUPPORT	28769				28769
ALL OTHER U.S. SOURCES	6796	2201	2518	215	1862
FOREIGN SOURCES, TOTAL	2340	1323	136		881
SOURCE OF MAJOR SUPPORT			PERCENT DISTRIBUTION		
TOTAL, ALL SOURCES OF SUPPORT	100.0	100.0	100.0	100.0	100.0
ALL U.S. SOURCES, TOTAL	98.1	93.2	99.5	100.0	97.7
U.S. GOVERNMENT, TOTAL	24.5	58.0	51.9	.8	9.2
ATOMIC ENERGY COMMISSION	.9	.7	3.4		.1
DEPARTMENT OF DEFENSE	2.8	1.0	4.9		4.8
DEPARTMENT OF H.E.W. TOTAL	8.6	37.4	10.1	.3	.3
NATIONAL DEFENSE ED. ACT	.9	5.5	.1		.0
NATIONAL INST. OF HEALTH	5.5	22.2	7.7	.1	.2
OTHER H.E.W.	2.2	9.7	2.2	.2	.1
N.A.S.A.	.6	.2	2.5		.1
NATIONAL SCIENCE FOUNDATION	4.8	6.4	15.8	.2	.2
ALL OTHER U.S. GOVT	6.7	12.2	15.3	.3	3.7
OTHER U.S. SOURCES	73.6	35.2	47.6	99.2	88.5
INSTITUTIONAL SUPPORT	44.0	24.0	38.5	98.6	7.4
SELF-SUPPORT	24.0				76.1
ALL OTHER U.S. SOURCES	5.7	11.3	9.1	.6	4.9
FOREIGN SOURCES, TOTAL	1.9	6.8	.5		2.3
SOURCE OF MAJOR SUPPORT			PERCENT OF TOTAL		
TOTAL, ALL SOURCES OF SUPPORT	100.0	16.2	23.0	29.3	31.5
ALL U.S. SOURCES, TOTAL	100.0	15.4	23.4	29.8	31.4
U.S. GOVERNMENT, TOTAL	100.0	38.5	48.8	.9	11.8
ATOMIC ENERGY COMMISSION	100.0	11.8	84.4		3.8
DEPARTMENT OF DEFENSE	100.0	5.9	40.1		54.0
DEPARTMENT OF H.E.W. TOTAL	100.0	70.7	27.0	1.1	1.2
NATIONAL DEFENSE ED. ACT	100.0	96.9	2.5		.5
NATIONAL INST. OF HEALTH	100.0	65.8	32.4	.7	1.1
OTHER H.E.W.	100.0	72.2	23.6	2.6	1.6
N.A.S.A.	100.0	5.6	90.2		4.2
NATIONAL SCIENCE FOUNDATION	100.0	21.7	76.0	1.1	1.2
ALL OTHER U.S. GOVT	100.0	29.4	52.1	1.2	17.2
OTHER U.S. SOURCES	100.0	7.8	14.9	39.5	37.9
INSTITUTIONAL SUPPORT	100.0	8.9	20.1	65.7	5.3
SELF-SUPPORT	100.0				100.0
ALL OTHER U.S. SOURCES	100.0	32.4	37.1	3.2	27.4
FOREIGN SOURCES, TOTAL	100.0	56.5	5.8		37.6

TABLE A-22. FIRST-YEAR FULL-TIME GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS OF PUBLICLY CONTROLLED INSTITUTIONS, BY SOURCE AND TYPE OF MAJOR SUPPORT, 1973

SOURCE OF MAJOR SUPPORT	TOTAL	FELLOWSHIPS AND TRAINEESHIPS	RESEARCH ASSISTANTSHIPS	TEACHING ASSISTANTSHIPS	OTHER TYPES OF SUPPORT
TOTAL, ALL SOURCES OF SUPPORT	41140	5749	7319	11677	16395
ALL U.S. SOURCES, TOTAL	40136	5206	7269	11677	15984
U.S. GOVERNMENT, TOTAL	7266	2761	3039	101	1365
ATOMIC ENERGY COMMISSION	172	46	110		16
DEPARTMENT OF DEFENSE	1134	96	286		752
DEPARTMENT OF H.E.W. TOTAL	1921	1293	561	37	30
NATIONAL DEFENSE ED. ACT	101	93	7		1
NATIONAL INST. OF HEALTH	1005	573	398	11	23
OTHER H.E.W.	815	627	156	26	6
N.A.S.A.	194	9	175		10
NATIONAL SCIENCE FOUNDATION	1177	307	822	25	23
ALL OTHER U.S. GOVT	2668	1010	1085	39	534
OTHER U.S. SOURCES	32870	2445	4230	11576	14619
INSTITUTIONAL SUPPORT	17563	1746	3384	11495	938
SELF-SUPPORT	13073				13073
ALL OTHER U.S. SOURCES	2234	699	846	81	608
FOREIGN SOURCES, TOTAL	1004	543	50		411
SOURCE OF MAJOR SUPPORT			PERCENT DISTRIBUTION		
TOTAL, ALL SOURCES OF SUPPORT	100.0	100.0	100.0	100.0	100.0
ALL U.S. SOURCES, TOTAL	97.6	90.6	99.3	100.0	97.5
U.S. GOVERNMENT, TOTAL	17.7	48.0	41.5	.9	8.3
ATOMIC ENERGY COMMISSION	.4	.8	1.5		.1
DEPARTMENT OF DEFENSE	2.8	1.7	3.9		4.6
DEPARTMENT OF H.E.W. TOTAL	4.7	22.5	7.7	.3	.2
NATIONAL DEFENSE ED. ACT	.2	1.6	.1		.0
NATIONAL INST. OF HEALTH	2.4	10.0	5.4	.1	.1
OTHER H.E.W.	2.0	10.9	2.1	.2	.0
N.A.S.A.	.5	.2	2.4		.1
NATIONAL SCIENCE FOUNDATION	2.9	5.3	11.2	.2	.1
ALL OTHER U.S. GOVT	6.5	17.6	14.8	.3	3.3
OTHER U.S. SOURCES	79.9	42.5	57.8	99.1	89.2
INSTITUTIONAL SUPPORT	42.7	30.4	46.2	98.4	5.7
SELF-SUPPORT	31.8				79.7
ALL OTHER U.S. SOURCES	5.4	12.2	11.6	.7	3.7
FOREIGN SOURCES, TOTAL	2.4	9.4	.7		2.5
SOURCE OF MAJOR SUPPORT			PERCENT OF TOTAL		
TOTAL, ALL SOURCES OF SUPPORT	100.0	14.0	17.8	28.4	39.9
ALL U.S. SOURCES, TOTAL	100.0	13.0	18.1	29.1	39.8
U.S. GOVERNMENT, TOTAL	100.0	38.0	41.8	1.4	18.8
ATOMIC ENERGY COMMISSION	100.0	26.7	64.0		9.3
DEPARTMENT OF DEFENSE	100.0	8.5	25.2		66.3
DEPARTMENT OF H.E.W. TOTAL	100.0	67.3	29.2	1.9	1.6
NATIONAL DEFENSE ED. ACT	100.0	92.1	6.9		1.0
NATIONAL INST. OF HEALTH	100.0	57.0	39.6	1.1	2.3
OTHER H.E.W.	100.0	76.9	19.1	3.2	.7
N.A.S.A.	100.0	4.6	90.2		5.2
NATIONAL SCIENCE FOUNDATION	100.0	26.1	69.6	2.1	2.0
ALL OTHER U.S. GOVT	100.0	37.9	40.7	1.5	20.0
OTHER U.S. SOURCES	100.0	7.4	12.9	35.2	44.5
INSTITUTIONAL SUPPORT	100.0	9.9	19.3	65.5	5.3
SELF-SUPPORT	100.0				100.0
ALL OTHER U.S. SOURCES	100.0	31.3	37.9	3.6	27.2
FOREIGN SOURCES, TOTAL	100.0	54.1	5.0		40.9

TABLE A-23. FULL-TIME GRADUATE STUDENTS BEYOND THEIR FIRST YEAR IN ALL GRADUATE DEPARTMENTS OF PUBLICLY CONTROLLED INSTITUTIONS, BY SOURCE AND TYPE OF MAJOR SUPPORT, 1973

SOURCE OF MAJOR SUPPORT	TOTAL	FELLOWSHIPS AND TRAINEESHIPS	RESEARCH ASSISTANTSHIPS	TEACHING ASSISTANTSHIPS	OTHER TYPES OF SUPPORT
TOTAL, ALL SOURCES OF SUPPORT	78932	13748	20318	23466	21400
ALL U.S. SOURCES, TOTAL	77596	12968	20232	23466	20930
U.S. GOVERNMENT, TOTAL	22126	8541	11310	171	2104
ATOMIC ENERGY COMMISSION	949	86	836		27
DEPARTMENT OF DEFENSE	2218	102	1058		1058
DEPARTMENT OF H.E.W. TOTAL	8396	6006	2222	76	92
NATIONAL DEFENSE ED. ACT	1001	975	21		5
NATIONAL INST. OF HEALTH	5581	3741	1736	33	51
OTHER H.E.W.	1814	1270	465	43	36
N.A.S.A.	571	34	515		22
NATIONAL SCIENCE FOUNDATION	4571	942	3548	37	44
ALL OTHER U.S. GOVT	5421	1371	3131	58	861
OTHER U.S. SOURCES	55470	4427	8922	23295	18826
INSTITUTIONAL SUPPORT	35212	2925	7250	23161	1876
SELF-SUPPORT	15696				15696
ALL OTHER U.S. SOURCES	4562	1502	1672	134	1254
FOREIGN SOURCES, TOTAL	1336	780	86		470
SOURCE OF MAJOR SUPPORT			PERCENT DISTRIBUTION		
TOTAL, ALL SOURCES OF SUPPORT	100.0	100.0	100.0	100.0	100.0
ALL U.S. SOURCES, TOTAL	98.3	94.3	99.6	100.0	97.8
U.S. GOVERNMENT, TOTAL	28.0	62.1	55.7	.7	9.8
ATOMIC ENERGY COMMISSION	1.2	.6	4.1		.1
DEPARTMENT OF DEFENSE	2.8	.7	5.2		4.9
DEPARTMENT OF H.E.W. TOTAL	10.6	43.7	10.9	.3	.4
NATIONAL DEFENSE ED. ACT	1.3	7.1	.1		.0
NATIONAL INST. OF HEALTH	7.1	27.4	8.5	.1	.2
OTHER H.E.W.	2.3	9.2	2.3	.2	.2
N.A.S.A.	.7	.2	2.5		.1
NATIONAL SCIENCE FOUNDATION	5.8	6.9	17.5	.2	.2
ALL OTHER U.S. GOVT	6.9	10.0	15.4	.2	4.0
OTHER U.S. SOURCES	70.3	32.2	43.9	99.3	88.0
INSTITUTIONAL SUPPORT	44.6	21.3	35.7	98.7	8.8
SELF-SUPPORT	19.9				73.3
ALL OTHER U.S. SOURCES	5.8	10.9	8.2	.6	5.9
FOREIGN SOURCES, TOTAL	1.7	5.7	.4		2.2
SOURCE OF MAJOR SUPPORT			PERCENT OF TOTAL		
TOTAL, ALL SOURCES OF SUPPORT	100.0	17.4	25.7	29.7	27.1
ALL U.S. SOURCES, TOTAL	100.0	16.7	26.1	30.2	27.0
U.S. GOVERNMENT, TOTAL	100.0	38.6	51.1	.8	9.5
ATOMIC ENERGY COMMISSION	100.0	9.1	88.1		2.8
DEPARTMENT OF DEFENSE	100.0	4.6	47.7		47.7
DEPARTMENT OF H.E.W. TOTAL	100.0	71.5	26.5	.9	1.1
NATIONAL DEFENSE ED. ACT	100.0	97.4	2.1		.5
NATIONAL INST. OF HEALTH	100.0	67.4	31.1	.6	.9
OTHER H.E.W.	100.0	70.0	25.6	2.4	2.0
N.A.S.A.	100.0	6.0	90.2		3.9
NATIONAL SCIENCE FOUNDATION	100.0	20.6	77.6	.8	1.0
ALL OTHER U.S. GOVT	100.0	25.3	57.8	1.1	15.9
OTHER U.S. SOURCES	100.0	8.0	16.1	42.0	33.9
INSTITUTIONAL SUPPORT	100.0	8.3	20.6	65.8	5.3
SELF-SUPPORT	100.0				100.0
ALL OTHER U.S. SOURCES	100.0	32.9	36.7	2.9	27.5
FOREIGN SOURCES, TOTAL	100.0	58.4	6.4		35.2

TABLE A-24. FULL-TIME GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS OF PRIVATELY CONTROLLED INSTITUTIONS, BY SOURCE AND TYPE OF MAJOR SUPPORT, 1973

SOURCE OF MAJOR SUPPORT	TOTAL	FELLOWSHIPS AND TRAINEESHIPS	RESEARCH ASSISTANTSHIPS	TEACHING ASSISTANTSHIPS	OTHER TYPES OF SUPPORT
TOTAL, ALL SOURCES OF SUPPORT	44246	14638	8474	8252	12882
ALL U.S. SOURCES, TOTAL	42926	13801	8453	8252	12420
U.S. GOVERNMENT, TOTAL	13804	6800	6315	51	638
ATOMIC ENERGY COMMISSION	441	52	384		5
DEPARTMENT OF DEFENSE	1370	134	1058		178
DEPARTMENT OF H.E.W. TOTAL	5508	4487	975	13	33
NATIONAL DEFENSE ED. ACT	596	584	9		3
NATIONAL INST. OF HEALTH	3611	2754	827	6	24
OTHER H.E.W.	1301	1149	139	7	6
N.A.S.A.	479	15	460		4
NATIONAL SCIENCE FOUNDATION	3934	1289	2551	25	69
ALL OTHER U.S. GOVT	2072	823	887	13	349
OTHER U.S. SOURCES	29122	7001	2138	8201	11782
INSTITUTIONAL SUPPORT	15673	5273	1464	8133	803
SELF-SUPPORT	10126				10126
ALL OTHER U.S. SOURCES	3323	1728	674	68	853
FOREIGN SOURCES, TOTAL	1320	837	21		462
SOURCE OF MAJOR SUPPORT			PERCENT DISTRIBUTION		
TOTAL, ALL SOURCES OF SUPPORT	100.0	100.0	100.0	100.0	100.0
ALL U.S. SOURCES, TOTAL	97.0	94.3	99.8	100.0	96.4
U.S. GOVERNMENT, TOTAL	31.2	46.5	74.5	.6	5.0
ATOMIC ENERGY COMMISSION	1.0	.4	4.5		.0
DEPARTMENT OF DEFENSE	3.1	.9	12.5		1.4
DEPARTMENT OF H.E.W. TOTAL	12.4	30.7	11.5	.2	.3
NATIONAL DEFENSE ED. ACT	1.3	4.0	.1		.0
NATIONAL INST. OF HEALTH	8.2	18.8	9.8	.1	.2
OTHER H.E.W.	2.9	7.8	1.6	.1	.0
N.A.S.A.	1.1	.1	5.4		.0
NATIONAL SCIENCE FOUNDATION	8.9	8.8	30.1	.3	.5
ALL OTHER U.S. GOVT	4.7	5.6	10.5	.2	2.7
OTHER U.S. SOURCES	65.8	47.8	25.2	99.4	91.5
INSTITUTIONAL SUPPORT	35.4	36.0	17.3	98.6	6.2
SELF-SUPPORT	22.9				78.6
ALL OTHER U.S. SOURCES	7.5	11.8	8.0	.8	6.6
FOREIGN SOURCES, TOTAL	3.0	5.7	.2		3.6
SOURCE OF MAJOR SUPPORT			PERCENT OF TOTAL		
TOTAL, ALL SOURCES OF SUPPORT	100.0	33.1	19.2	18.7	29.1
ALL U.S. SOURCES, TOTAL	100.0	32.2	19.7	19.2	28.9
U.S. GOVERNMENT, TOTAL	100.0	49.3	45.7	.4	4.6
ATOMIC ENERGY COMMISSION	100.0	11.8	87.1		1.1
DEPARTMENT OF DEFENSE	100.0	9.8	77.2		13.0
DEPARTMENT OF H.E.W. TOTAL	100.0	81.5	17.7	.2	.6
NATIONAL DEFENSE ED. ACT	100.0	98.0	1.5		.5
NATIONAL INST. OF HEALTH	100.0	76.3	22.9	.2	.7
OTHER H.E.W.	100.0	88.3	10.7	.5	.5
N.A.S.A.	100.0	3.1	96.0		.8
NATIONAL SCIENCE FOUNDATION	100.0	32.8	64.8	.6	1.8
ALL OTHER U.S. GOVT	100.0	39.7	42.8	.6	16.8
OTHER U.S. SOURCES	100.0	24.0	7.3	28.2	40.5
INSTITUTIONAL SUPPORT	100.0	33.6	9.3	51.9	5.1
SELF-SUPPORT	100.0				100.0
ALL OTHER U.S. SOURCES	100.0	52.0	20.3	2.0	25.7
FOREIGN SOURCES, TOTAL	100.0	63.4	1.6		35.0

TABLE A-25. FIRST-YEAR FULL-TIME GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS OF PRIVATELY CONTROLLED INSTITUTIONS, BY SOURCE AND TYPE OF MAJOR SUPPORT, 1973

SOURCE OF MAJOR SUPPORT	TOTAL	FELLOWSHIPS AND TRAINEESHIPS	RESEARCH ASSISTANTSHIPS	TEACHING ASSISTANTSHIPS	OTHER TYPES OF SUPPORT
TOTAL, ALL SOURCES OF SUPPORT	14706	4538	1784	2763	5621
ALL U.S. SOURCES, TOTAL	14149	4227	1778	2763	5381
U.S. GOVERNMENT, TOTAL	2826	1416	1129	17	264
ATOMIC ENERGY COMMISSION	60	12	43		5
DEPARTMENT OF DEFENSE	439	89	279		71
DEPARTMENT OF H.E.W. TOTAL	739	576	147	3	13
NATIONAL DEFENSE ED. ACT	59	59			
NATIONAL INST. OF HEALTH	421	282	124	3	12
OTHER H.E.W.	259	235	23		1
N.A.S.A.	119	9	110		
NATIONAL SCIENCE FOUNDATION	729	333	367	4	25
ALL OTHER U.S. GOVT	740	397	183	10	150
OTHER U.S. SOURCES	11323	2811	649	2746	5117
INSTITUTIONAL SUPPORT	5806	2291	453	2722	350
SELF-SUPPORT	4482				4482
ALL OTHER U.S. SOURCES	1035	510	196	24	285
FOREIGN SOURCES, TOTAL	557	311	6		240
SOURCE OF MAJOR SUPPORT			PERCENT DISTRIBUTION		
TOTAL, ALL SOURCES OF SUPPORT	100.0	100.0	100.0	100.0	100.0
ALL U.S. SOURCES, TOTAL	96.2	93.1	99.7	100.0	95.7
U.S. GOVERNMENT, TOTAL	19.2	31.2	63.3	.6	4.7
ATOMIC ENERGY COMMISSION	.4	.3	2.4		.1
DEPARTMENT OF DEFENSE	3.0	2.0	15.6		1.3
DEPARTMENT OF H.E.W. TOTAL	5.0	12.7	8.2	.1	.2
NATIONAL DEFENSE ED. ACT	.4	1.3			
NATIONAL INST. OF HEALTH	2.9	6.2	7.0	.1	.2
OTHER H.E.W.	1.8	5.2	1.3		.0
N.A.S.A.	.8	.2	6.2		
NATIONAL SCIENCE FOUNDATION	5.0	7.3	20.6	.1	.4
ALL OTHER U.S. GOVT	5.0	8.7	10.3	.4	2.7
OTHER U.S. SOURCES	77.0	61.9	36.4	99.4	91.0
INSTITUTIONAL SUPPORT	39.5	50.3	25.4	98.5	6.2
SELF-SUPPORT	30.5				79.7
ALL OTHER U.S. SOURCES	7.0	11.7	11.0	.9	5.1
FOREIGN SOURCES, TOTAL	3.8	6.9	.3		4.3
SOURCE OF MAJOR SUPPORT			PERCENT OF TOTAL		
TOTAL, ALL SOURCES OF SUPPORT	100.0	30.9	12.1	18.8	38.2
ALL U.S. SOURCES, TOTAL	100.0	29.9	12.6	19.5	38.0
U.S. GOVERNMENT, TOTAL	100.0	50.1	40.0	.6	9.3
ATOMIC ENERGY COMMISSION	100.0	20.0	71.7		8.3
DEPARTMENT OF DEFENSE	100.0	20.3	63.6		16.2
DEPARTMENT OF H.E.W. TOTAL	100.0	77.9	19.9	.4	1.8
NATIONAL DEFENSE ED. ACT	100.0	100.0			
NATIONAL INST. OF HEALTH	100.0	67.0	29.5	.7	2.9
OTHER H.E.W.	100.0	90.7	8.9		.4
N.A.S.A.	100.0	7.6	92.4		
NATIONAL SCIENCE FOUNDATION	100.0	45.7	50.3	.5	3.4
ALL OTHER U.S. GOVT	100.0	53.6	24.7	1.4	20.3
OTHER U.S. SOURCES	100.0	24.8	5.7	24.3	45.2
INSTITUTIONAL SUPPORT	100.0	39.3	7.8	46.9	6.0
SELF-SUPPORT	100.0				100.0
ALL OTHER U.S. SOURCES	100.0	51.2	18.9	2.3	27.5
FOREIGN SOURCES, TOTAL	100.0	55.8	1.1		43.1

TABLE A-26. FULL-TIME GRADUATE STUDENTS BEYOND THEIR FIRST YEAR IN ALL GRADUATE DEPARTMENTS OF PRIVATELY CONTROLLED INSTITUTIONS, BY SOURCE AND TYPE OF MAJOR SUPPORT, 1973

SOURCE OF MAJOR SUPPORT	TOTAL	FELLOWSHIPS AND TRAINEESHIPS	RESEARCH ASSISTANTSHIPS	TEACHING ASSISTANTSHIPS	OTHER TYPES OF SUPPORT
TOTAL, ALL SOURCES OF SUPPORT	29540	10100	6690	5489	7261
ALL U.S. SOURCES, TOTAL	28777	9574	6675	5489	7039
U.S. GOVERNMENT, TOTAL	10978	5394	5186	34	374
ATOMIC ENERGY COMMISSION	381	40	341		
DEPARTMENT OF DEFENSE	931	45	779		107
DEPARTMENT OF H.E.W. TOTAL	4769	3911	828	10	20
NATIONAL DEFENSE ED. ACT	537	525	9		3
NATIONAL INST. OF HEALTH	3190	2472	703	3	12
OTHER H.E.W.	1042	914	116	7	5
N.A.S.A.	360	6	350		4
NATIONAL SCIENCE FOUNDATION	3205	956	2184	21	44
ALL OTHER U.S. GOVT	1332	426	704	3	199
OTHER U.S. SOURCES	17799	4190	1489	5455	6665
INSTITUTIONAL SUPPORT	9867	2992	1011	5411	453
SELF-SUPPORT	5644				5644
ALL OTHER U.S. SOURCES	2288	1198	478	44	568
FOREIGN SOURCES, TOTAL	763	526	15		222
SOURCE OF MAJOR SUPPORT			PERCENT DISTRIBUTION		
TOTAL, ALL SOURCES OF SUPPORT	100.0	100.0	100.0	100.0	100.0
ALL U.S. SOURCES, TOTAL	97.4	94.8	99.8	100.0	96.9
U.S. GOVERNMENT, TOTAL	37.2	53.3	77.5	.6	5.2
ATOMIC ENERGY COMMISSION	1.3	.4	5.1		
DEPARTMENT OF DEFENSE	3.2	.4	11.6		1.5
DEPARTMENT OF H.E.W. TOTAL	16.1	38.7	12.4	.2	.3
NATIONAL DEFENSE ED. ACT	1.8	5.2	.1		.0
NATIONAL INST. OF HEALTH	10.8	24.5	10.5	.1	.2
OTHER H.E.W.	3.5	9.0	1.7	.1	.1
N.A.S.A.	1.2	.1	5.2		.1
NATIONAL SCIENCE FOUNDATION	10.8	9.5	32.6	.4	.6
ALL OTHER U.S. GOVT	4.5	4.2	10.5	.1	2.7
OTHER U.S. SOURCES	60.3	41.5	22.3	99.4	91.8
INSTITUTIONAL SUPPORT	33.4	29.6	15.1	98.6	6.2
SELF-SUPPORT	19.1				77.7
ALL OTHER U.S. SOURCES	7.7	11.9	7.1	.8	7.8
FOREIGN SOURCES, TOTAL	2.6	5.2	.2		3.1
SOURCE OF MAJOR SUPPORT			PERCENT OF TOTAL		
TOTAL, ALL SOURCES OF SUPPORT	100.0	34.2	22.6	18.6	24.6
ALL U.S. SOURCES, TOTAL	100.0	33.3	23.2	19.1	24.5
U.S. GOVERNMENT, TOTAL	100.0	49.0	47.2	.3	3.4
ATOMIC ENERGY COMMISSION	100.0	10.5	89.5		
DEPARTMENT OF DEFENSE	100.0	4.8	83.7		11.5
DEPARTMENT OF H.E.W. TOTAL	100.0	82.0	17.4	.2	.4
NATIONAL DEFENSE ED. ACT	100.0	97.8	1.7		.6
NATIONAL INST. OF HEALTH	100.0	77.5	22.0	.1	.4
OTHER H.E.W.	100.0	87.7	11.1	.7	.5
N.A.S.A.	100.0	1.7	97.2		1.1
NATIONAL SCIENCE FOUNDATION	100.0	29.8	68.5	.7	1.4
ALL OTHER U.S. GOVT	100.0	32.0	52.9	.2	14.9
OTHER U.S. SOURCES	100.0	23.5	8.4	30.6	37.4
INSTITUTIONAL SUPPORT	100.0	30.3	10.2	54.8	4.6
SELF-SUPPORT	100.0				100.0
ALL OTHER U.S. SOURCES	100.0	52.4	20.9	1.9	24.8
FOREIGN SOURCES, TOTAL	100.0	68.9	2.0		29.1

TABLE A-27. FULL-TIME GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS SUPPORTED BY U.S. GOVERNMENT SOURCES, BY FIELD OF SCIENCE AND FEDERAL AGENCY, 1973

AREA AND FIELD OF SCIENCE	TOTAL	AEC	DEPT. OF DEFENSE	HEW TOTAL HEW	HEW NDEA	HEW NIH	HEW OTHER HEW	NASA	NSF	OTHER U.S. GOVT.
TOTAL, ALL FIELDS OF SCIENCE	43196	1362	4722	15825	1698	10197	3930	1244	9682	10161
ENGINEERING	10759	520	2887	1162	198	682	282	564	2593	3033
AERONAUTICAL	627	4	284	13	8	4	1	142	73	111
AGRICULTURAL	116			7	4		3	1	6	102
CHEMICAL	920	74	53	104	30	52	22	22	480	187
CIVIL	1802	12	148	196	17	30	149	23	285	1138
ELECTRICAL	2399	32	1012	200	46	148	6	144	652	359
ENGINEERING SCIENCE	570	27	166	58	7	31	20	34	160	125
INDUSTRIAL	1013	2	503	104	18	43	43	3	122	279
MECHANICAL	1476	50	442	141	33	88	20	114	342	387
METALLURGICAL AND MATERIALS	835	126	195	61	12	46	3	55	284	114
MINING	84		1	3	1	2			19	61
NUCLEAR	313	164	23	20	6	13	1	15	52	39
PETROLEUM	19			1	1				3	15
ENGINEERING, NEC	585	29	60	254	15	225	14	11	115	116
PHYSICAL SCIENCES	8895	875	1063	1281	299	899	83	575	3893	1268
ASTRONOMY	237		1	8	8			58	136	34
ATMOSPHERIC SCIENCES	564	15	136	8	4	4		32	257	116
CHEMISTRY	2898	219	152	1019	136	828	55	51	1227	230
GEOSCIENCES	1196	32	88	59	46	7	6	149	520	348
OCEANOGRAPHY	707	18	166	14	8	6		10	261	238
PHYSICS	3293	591	460	173	97	54	22	275	1492	302
MATHEMATICAL SCIENCES	1692	37	362	242	111	117	14	10	777	264
APPLIED MATHEMATICS	764	26	279	64	6	53	5	8	296	91
MATHEMATICS	696	11	45	105	93	5	7	2	435	98
STATISTICS	232		38	73	12	59	2		46	75
LIFE SCIENCES	12644	125	115	8320	325	6849	1146	73	1204	2807
AGRICULTURE	1529	6	14	124	45	61	18	36	138	1211
ANATOMY	311	1	1	273	6	252	15	2	8	26
BIOCHEMISTRY	1604	10	3	1398	35	1293	70		137	56
BIOLOGY	1023	8	11	673	49	503	121	7	209	115
BIOMETRY AND BIOSTATISTICS	110			104		71	33			6
BIOPHYSICS	415	46		340	5	274	61	1	17	11
BIOSCIENCES, NEC	465	15	4	290	18	234	38	1	105	50
BOTANY	371	15		64	31	25	8	4	135	153
CELL BIOLOGY	227	2	1	200	3	193	6		18	6
ECOLOGY	85	5		21	7	13	1		44	15
ENTOMOLOGY AND PARASITOLOGY	320	1	12	73	10	54	9		79	155
GENETICS	295			262	7	244	11	1	18	14
MICROBIOLOGY	1174	2	6	961	27	861	73	7	80	118
NUTRITION	472		7	264	11	208	45	1	6	194
PATHOLOGY	357		1	339	1	316	22	5	2	10
PHARMACOLOGY	620			589	12	549	28		11	20
PHYSIOLOGY	760		20	641	12	589	40	3	27	69
ZOOLOGY	620	11	4	230	36	181	13	1	143	231
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	1886	3	31	1474	10	928	536	4	27	347
PSYCHOLOGY	4033	1	89	2760	118	1074	1568	7	373	803
SOCIAL SCIENCES	5143	4	266	2032	646	574	812	15	842	1984
AGRICULTURAL ECONOMICS	358			11	11			1	4	342
ANTHROPOLOGY	625			361	113	113	135		163	101
ECONOMICS (EXCEPT AGRICULTURE)	1004		138	175	95	19	61	1	224	466
GEOGRAPHY	218		11	45	27	2	16	11	50	101
HISTORY AND PHILOSOPHY OF SCIENCE	184		12	111	101	8	2		32	29
LINGUISTICS	488	2	5	250	76	76	98		86	145
POLITICAL SCIENCE	706	1	72	223	148	10	65	2	95	313
SOCIOLOGY	1396	1	27	768	66	326	376		181	419
SOCIOLOGY AND ANTHROPOLOGY	106		1	53	8		45		7	45
ALL OTHER SCIENCES, NEC	30			28	1	2	25			2

TABLE A-28. FIRST-YEAR FULL-TIME GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS SUPPORTED BY U.S. GOVERNMENT SOURCES, BY FIELD OF SCIENCE AND FEDERAL AGENCY, 1973

AREA AND FIELD OF SCIENCE	TOTAL	AEC	DEPT. OF DEFENSE	HEW TOTAL HEW	HEW NDEA	HEW NIH	HEW OTHER HEW	NASA	NSF	OTHER U.S. GOVT.
TOTAL, ALL FIELDS OF SCIENCE	10092	232	1573	2660	160	1426	1074	313	1906	3408
ENGINEERING	3670	157	1075	280	13	115	152	176	724	1258
AERONAUTICAL	199	3	96	2	1	1		42	25	31
AGRICULTURAL	46							1	4	41
CHEMICAL	226	13	11	19	1	10	8	6	118	59
CIVIL	943	2	104	117	2	7	108	8	92	620
ELECTRICAL	777	12	379	26	3	20	3	44	189	127
ENGINEERING SCIENCE	134	14	48	10		1	9	7	33	22
INDUSTRIAL	359		204	29	2	12	15	3	35	88
MECHANICAL	498	24	162	30	3	22	5	36	107	139
METALLURGICAL AND MATERIALS	209	24	40	16	1	14	1	21	71	37
MINING	29		1	2		2			3	23
NUCLEAR	95	55	6	3		3		3	11	17
PETROLEUM	6								1	5
ENGINEERING, NEC	149	10	24	26		23	3	5	35	49
PHYSICAL SCIENCES	1103	55	178	58	13	28	17	99	443	270
ASTRONOMY	26			1	1			4	14	7
ATMOSPHERIC SCIENCES	148	3	38	2		2		10	60	35
CHEMISTRY	140	9	2	28	4	20	4	7	71	23
GEOSCIENCES	320	1	17	10	4	2	4	45	116	131
OCEANOGRAPHY	157	4	49					5	53	5
PHYSICS	312	38	72	17	4	4	9	28	129	28
MATHEMATICAL SCIENCES	458	3	126	29	7	20	2	5	206	89
APPLIED MATHEMATICS	227		106	17		16	1	5	65	34
MATHEMATICS	187	3	16	10	7	2	1		124	34
STATISTICS	44		4	2		2			17	21
LIFE SCIENCES	2483	16	35	1269	23	941	305	25	277	861
AGRICULTURE	481	2	4	22	8	11	3	13	55	385
ANATOMY	44			35	1	32	2		1	8
BIOCHEMISTRY	196	3	1	157	1	143	13		24	11
BIOLOGY	136	3	1	54		44	10	5	47	26
BIOMETRY AND BIOSTATISTICS	32			30		14	16			2
BIOPHYSICS	30	2		22	1	14	7		2	4
BIOSCIENCES, NEC	71	2		35		27	8		22	12
BOTANY	69	2		7	3	2	2		24	36
CELL BIOLOGY	22		1	16		16			4	1
ECOLOGY	15								11	4
ENTOMOLOGY AND PARASITOLOGY	72		1	10	1	6	3		19	42
GENETICS	35			30		28	2		4	1
MICROBIOLOGY	181	1	1	117	2	96	19	3	30	29
NUTRITION	114		1	57		35	22	1	2	53
PATHOLOGY	97			88	1	77	10	2	1	6
PHARMACOLOGY	83			71	1	60	10		5	7
PHYSIOLOGY	99		5	76		72	4		1	17
ZOOLOGY	100	1	2	22	2	16	4		22	53
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	606		18	420	2	248	170	1	3	164
PSYCHOLOGY	949		19	678	9	265	404	3	74	175
SOCIAL SCIENCES	1403	1	140	321	95	57	169	5	182	754
AGRICULTURAL ECONOMICS	118			2				1		115
ANTHROPOLOGY	70			22	11	2	9		30	18
ECONOMICS (EXCEPT AGRICULTURE)	305		69	28	10	5	13		49	159
GEOGRAPHY	72		6	8	2		6	3	21	34
HISTORY AND PHILOSOPHY OF SCIENCE	35		3	15	13	1	1		6	11
LINGUISTICS	152			85	14	12	59		10	57
POLITICAL SCIENCE	286	1	45	48	30	2	16	1	26	165
SOCIOLOGY	326		17	107	12	35	60		38	164
SOCIOLOGY AND ANTHROPOLOGY	19			5	1		4		2	12
ALL OTHER SCIENCES, NEC	26			25			25			1

TABLE A-29. FULL-TIME GRADUATE STUDENTS BEYOND THEIR FIRST YEAR IN ALL GRADUATE DEPARTMENTS SUPPORTED BY U.S. GOVERNMENT SOURCES, BY FIELD OF SCIENCE AND FEDERAL AGENCY, 1973

AREA AND FIELD OF SCIENCE	TOTAL	AEC	DEPT. OF DEFENSE	HEW TOTAL HEW	HEW NDEA	HEW NIH	HEW OTHER HEW	NASA	NSF	OTHER U.S. GOVT.
TOTAL, ALL FIELDS OF SCIENCE	33104	1330	3149	13165	1538	8771	2856	931	7776	6753
ENGINEERING	7089	361	1812	882	185	567	130	388	1869	1775
AERONAUTICAL	428	1	148	11	7	3	1	100	48	80
AGRICULTURAL	70			7	4		3		2	61
CHEMICAL	694	61	42	85	29	42	14	16	362	128
CIVIL	859	10	44	79	15	23	41	15	193	518
ELECTRICAL	1622	20	633	174	43	128	3	100	463	232
ENGINEERING SCIENCE	436	13	118	48	7	30	11	27	127	103
INDUSTRIAL	654	2	299	75	16	31	28		87	191
MECHANICAL	978	26	280	111	30	66	15	78	235	248
METALLURGICAL AND MATERIALS	626	102	155	45	11	32	2	34	213	77
MINING	55			1	1				16	38
NUCLEAR	218	109	17	17	6	10	1	12	41	22
PETROLEUM	13			1	1				2	10
ENGINEERING, NEC	436	19	36	228	15	202	11	6	88	67
PHYSICAL SCIENCES	7792	820	825	1223	286	871	66	476	3450	998
ASTRONOMY	211		1	7	7			54	122	27
ATMOSPHERIC SCIENCES	416	12	98	6	4	2		22	197	81
CHEMISTRY	2758	210	150	991	132	808	51	44	1156	207
GEOSCIENCES	876	31	71	49	42	5	2	104	404	217
OCEANOGRAPHY	550	14	117	14	8	6		5	208	192
PHYSICS	2981	553	388	156	93	50	11	247	1363	274
MATHEMATICAL SCIENCES	1234	34	236	213	104	97	12	5	571	175
APPLIED MATHEMATICS	537	26	173	47	6	37	4	3	231	57
MATHEMATICS	509	8	29	95	86	3	6	2	311	64
STATISTICS	188		34	71	12	57	2		29	54
LIFE SCIENCES	10161	109	80	7051	302	5908	841	46	927	1946
AGRICULTURE	1048	4	10	102	37	50	15	23	83	826
ANATOMY	267	1	1	238	5	228	13	2	7	18
BIOCHEMISTRY	1408	7	2	1241	34	1150	57		113	45
BIOLOGY	687	5	10	619	49	459	111	2	162	89
BIOMETRY AND BIOSTATISTICS	78			74		57	17			4
BIOPHYSICS	385	44		318	4	260	54	1	15	7
BIOSCIENCES, NEC	394	13	4	255	18	207	30	1	83	38
BOTANY	302	13		57	28	23	6	4	111	117
CELL BIOLOGY	205	2		184	3	177	4		14	5
ECOLOGY	70	5		21	7	13	1		33	11
ENTOMOLOGY AND PARASITOLOGY	248	1	11	63	9	48	6		60	113
GENETICS	260			232	7	216	9	1	14	13
MICROBIOLOGY	993	1	5	844	25	765	54	4	50	89
NUTRITION	358		6	207	11	173	23		4	141
PATHOLOGY	260		1	251		239	12	3	1	4
PHARMACOLOGY	537			518	11	489	18		6	13
PHYSIOLOGY	661		15	585	12	517	36	3	26	52
ZOOLOGY	520	10	2	208	34	165	9	1	121	178
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	1280	3	13	1054	8	680	366	3	24	183
PSYCHOLOGY	3084	1	70	2082	109	809	1164	4	299	628
SOCIAL SCIENCES	3740	3	126	1711	551	517	643	10	660	1230
AGRICULTURAL ECONOMICS	240			9	9				4	227
ANTHROPOLOGY	555			339	102	111	126		133	83
ECONOMICS (EXCEPT AGRICULTURE)	695		69	147	85	14	48	1	175	307
GEOGRAPHY	146		5	37	25	2	10	8	29	67
HISTORY AND PHILOSOPHY OF SCIENCE	149		9	96	88	7	1		26	18
LINGUISTICS	336	2	5	165	62	64	39		76	88
POLITICAL SCIENCE	420		27	175	118	8	49	1	69	148
SOCIOLOGY	1078	1	10	661	54	291	316		143	255
SOCIOLOGY AND ANTHROPOLOGY	87		1	48	7		41		5	33
ALL OTHER SCIENCES, NEC	4			3	1	2				1

TABLE A-30. FULL-TIME GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS SUPPORTED BY NON-U.S. GOVERNMENT SOURCES, BY FIELD OF SCIENCE: 1973

AREA AND FIELD OF SCIENCE	TOTAL	INSTITUTIONAL SUPPORT	FOREIGN SOURCES	ALL OTHER U.S. SOURCES	SELF-SUPPORT
TOTAL, ALL FIELDS OF SCIENCE	121122	68448	3660	10119	38895
ENGINEERING	20943	9513	1136	2858	7436
AERONAUTICAL	523	292	31	76	124
AGRICULTURAL	457	283	50	33	91
CHEMICAL	2145	1044	117	513	471
CIVIL	3536	1395	181	409	1551
ELECTRICAL	4830	2376	232	500	1722
ENGINEERING SCIENCE	896	499	26	116	255
INDUSTRIAL	2178	811	146	236	985
MECHANICAL	2802	1310	137	447	908
METALLURGICAL AND MATERIALS	803	382	45	218	158
MINING	215	102	29	32	52
NUCLEAR	643	327	39	67	210
PETROLEUM	173	40	52	55	26
ENGINEERING, NEC	1742	652	51	156	883
PHYSICAL SCIENCES	19570	14926	413	1268	2963
ASTRONOMY	329	243	11	15	60
ATMOSPHERIC SCIENCES	269	136	22	23	88
CHEMISTRY	8638	7276	97	563	702
GEOSCIENCES	3990	2383	133	258	1216
OCEANOGRAPHY	661	329	24	122	186
PHYSICS	5683	4559	126	287	711
MATHEMATICAL SCIENCES	11070	7537	240	500	2793
APPLIED MATHEMATICS	2234	1066	72	250	846
MATHEMATICS	7736	5767	135	188	1646
STATISTICS	1100	704	33	62	301
LIFE SCIENCES	28377	16093	1097	2475	9712
AGRICULTURE	5322	2486	484	690	1662
ANATOMY	559	323	6	38	192
BIOCHEMISTRY	1649	1048	43	187	371
BIOLOGY	3828	2586	30	159	1053
BIOMETRY AND BIOSTATISTICS	165	69	9	17	70
BIOPHYSICS	293	174	14	22	83
BIOSCIENCES, NEC	1849	1219	14	101	515
BOTANY	1875	1318	89	114	354
CELL BIOLOGY	257	170	4	14	69
ECOLOGY	358	218	5	38	97
ENTOMOLOGY AND PARASITOLOGY	743	440	70	76	157
GENETICS	377	181	30	56	110
MICROBIOLOGY	1764	1091	40	98	535
NUTRITION	1245	599	76	159	411
PATHOLOGY	389	135	29	30	195
PHARMACOLOGY	645	395	21	67	162
PHYSIOLOGY	1145	571	24	90	460
ZOOLOGY	2661	1720	10	200	731
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	3253	1350	99	319	1485
PSYCHOLOGY	10769	5720	61	971	4017
SOCIAL SCIENCES	30290	14604	713	2045	12928
AGRICULTURAL ECONOMICS	1017	575	70	83	289
ANTHROPOLOGY	3539	1480	27	151	1881
ECONOMICS (EXCEPT AGRICULTURE)	5989	3088	309	347	2245
GEOGRAPHY	1729	986	25	78	640
HISTORY AND PHILOSOPHY OF SCIENCE	2222	1215	21	132	854
LINGUISTICS	1755	894	60	143	658
POLITICAL SCIENCE	7014	2976	78	464	3496
SOCIOLOGY	6312	3013	112	615	2572
SOCIOLOGY AND ANTHROPOLOGY	474	317	6	11	140
ALL OTHER SCIENCES, NEC	103	55		2	46

TABLE A-31. FIRST YEAR FULL-TIME GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS SUPPORTED BY NON-U.S. GOVERNMENT SOURCES, BY FIELD OF SCIENCE, 1973

AREA AND FIELD OF SCIENCE	TOTAL	INSTITUTIONAL SUPPORT	FOREIGN SOURCES	ALL OTHER U.S. SOURCES	SELF-SUPPORT
TOTAL, ALL FIELDS OF SCIENCE	45754	23369	1561	3269	17555
ENGINEERING	9865	4102	575	1228	3960
AERONAUTICAL	190	103	14	29	44
AGRICULTURAL	174	111	23	13	27
CHEMICAL	935	448	61	205	221
CIVIL	1923	699	97	179	948
ELECTRICAL	2353	1011	120	234	988
ENGINEERING SCIENCE	354	177	15	34	128
INDUSTRIAL	1126	364	77	130	555
MECHANICAL	1323	582	78	198	465
METALLURGICAL AND MATERIALS	314	160	18	84	52
MINING	88	34	18	11	25
NUCLEAR	265	139	8	24	94
PETROLEUM	75	16	24	22	13
ENGINEERING, NEC	745	258	22	65	400
PHYSICAL SCIENCES	6623	5193	140	272	1018
ASTRONOMY	106	77	4	1	24
ATMOSPHERIC SCIENCES	124	66	7	8	43
CHEMISTRY	2910	2609	36	68	197
GEOSCIENCES	1477	864	47	95	471
OCEANOGRAPHY	186	76	8	28	74
PHYSICS	1820	1501	38	72	209
MATHEMATICAL SCIENCES	3937	2417	94	164	1262
APPLIED MATHEMATICS	911	405	31	92	383
MATHEMATICS	2647	1788	48	58	753
STATISTICS	379	224	15	14	126
LIFE SCIENCES	11213	5441	456	814	4502
AGRICULTURE	2059	809	199	268	783
ANATOMY	220	103	1	15	101
BIOCHEMISTRY	637	386	20	44	187
BIOLOGY	1514	939	14	32	529
BIOMETRY AND BIOSTATISTICS	77	29	2	8	38
BIOPHYSICS	123	76	5	7	35
BIOSCIENCES, NEC	732	442	3	43	244
BOTANY	585	351	27	36	171
CELL BIOLOGY	104	61	1	7	35
ECOLOGY	126	72	1	8	45
ENTOMOLOGY AND PARASITOLOGY	212	97	28	30	57
GENETICS	116	42	8	15	51
MICROBIOLOGY	732	376	20	30	306
NUTRITION	499	198	37	48	216
PATHOLOGY	174	59	8	12	95
PHARMACOLOGY	258	145	8	19	86
PHYSIOLOGY	478	200	8	20	250
ZOOLOGY	817	510	3	43	261
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	1750	546	63	129	1012
PSYCHOLOGY	3250	1563	21	154	1512
SOCIAL SCIENCES	10817	4627	275	635	5280
AGRICULTURAL ECONOMICS	333	161	29	25	118
ANTHROPOLOGY	1164	340	9	36	779
ECONOMICS (EXCEPT AGRICULTURE)	2172	988	117	82	985
GEOGRAPHY	652	347	9	35	261
HISTORY AND PHILOSOPHY OF SCIENCE	636	322	4	28	282
LINGUISTICS	663	265	32	44	322
POLITICAL SCIENCE	2649	1063	25	180	1381
SOCIOLOGY	2210	995	47	194	974
SOCIOLOGY AND ANTHROPOLOGY	216	140	3	2	71
ALL OTHER SCIENCES, NEC	49	26		2	21

TABLE A-32. FULL-TIME GRADUATE STUDENTS BEYOND THEIR FIRST YEAR IN ALL GRADUATE DEPARTMENTS SUPPORTED BY NON-U.S. GOVERNMENT SOURCES, BY FIELD OF SCIENCE, 1973

AREA AND FIELD OF SCIENCE	TOTAL	INSTITUTIONAL SUPPORT	FOREIGN SOURCES	ALL OTHER U.S. SOURCES	SELF-SUPPORT
TOTAL, ALL FIELDS OF SCIENCE	75368	45079	2099	6850	21340
ENGINEERING	11078	5411	561	1630	3476
AERONAUTICAL	333	189	17	47	80
AGRICULTURAL	283	172	27	20	64
CHEMICAL	1210	596	56	308	250
CIVIL	1613	696	84	230	603
ELECTRICAL	2477	1365	112	266	734
ENGINEERING SCIENCE	542	322	11	82	127
INDUSTRIAL	1052	447	69	106	430
MECHANICAL	1479	728	59	249	443
METALLURGICAL AND MATERIALS	489	222	27	134	106
MINING	127	68	11	21	27
NUCLEAR	378	188	31	43	116
PETROLEUM	98	24	28	33	13
ENGINEERING, NEC	997	394	29	91	483
PHYSICAL SCIENCES	12967	9733	273	996	1945
ASTRONOMY	223	166	7	14	36
ATMOSPHERIC SCIENCES	145	70	15	15	45
CHEMISTRY	5728	4667	61	495	505
GEOSCIENCES	2513	1519	86	163	745
OCEANOGRAPHY	475	253	16	94	112
PHYSICS	3863	3058	88	215	502
MATHEMATICAL SCIENCES	7133	5120	146	336	1531
APPLIED MATHEMATICS	1323	661	41	158	463
MATHEMATICS	5089	3979	87	130	893
STATISTICS	721	480	18	48	175
LIFE SCIENCES	17164	10652	641	1661	4210
AGRICULTURE	3263	1677	285	422	879
ANATOMY	339	220	5	23	91
BIOCHEMISTRY	1012	662	23	143	184
BIOLOGY	2316	1647	16	127	524
BIOMETRY AND BIOSTATISTICS	88	40	7	9	32
BIOPHYSICS	170	98	9	15	48
BIOSCIENCES, NEC	1117	777	11	58	271
BOTANY	1290	967	62	78	183
CELL BIOLOGY	153	109	3	7	34
ECOLOGY	232	146	4	30	52
ENTOMOLOGY AND PARASITOLOGY	531	343	42	46	100
GENETICS	261	139	22	41	59
MICROBIOLOGY	1032	715	20	68	229
NUTRITION	746	401	39	111	195
PATHOLOGY	215	76	21	18	100
PHARMACOLOGY	387	250	13	48	76
PHYSIOLOGY	667	371	16	70	210
ZOOLOGY	1844	1210	7	157	470
OTHER HEALTH SCIENCES (INCLUD ; CLINICAL)	1503	804	36	190	473
PSYCHOLOGY	7519	4157	40	817	2505
SOCIAL SCIENCES	19473	9977	438	1410	7648
AGRICULTURAL ECONOMICS	684	414	41	58	171
ANTHROPOLOGY	2375	1140	18	115	1102
ECONOMICS (EXCEPT AGRICULTURE)	3817	2100	192	265	1260
GEOGRAPHY	1077	639	16	43	379
HISTORY AND PHILOSOPHY OF SCIENCE	1586	893	17	104	572
LINGUISTICS	1092	629	28	99	336
POLITICAL SCIENCE	4365	1913	53	284	2115
SOCIOLOGY	4102	2018	65	421	1598
SOCIOLOGY AND ANTHROPOLOGY	258	177	3	9	69
ALL OTHER SCIENCES, NEC	54	29			25

TABLE A-33. POSTDOCTORALS IN ALL GRADUATE DEPARTMENTS, BY FIELD OF SCIENCE AND SOURCE OF SUPPORT, 1973

AREA AND FIELD OF SCIENCE	TOTAL POSTDOCTORALS		SOURCES OF SUPPORT			
			U.S. GOVERNMENT		OTHER SOURCES	
	NUMBER	PERCENT DISTRIBUTION	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL
TOTAL, ALL FIELDS OF SCIENCE	16358	100.0	11286	69.0	5072	31.0
ENGINEERING	975	6.0	721	73.9	254	26.1
AERONAUTICAL	40	.2	34	85.0	6	15.0
AGRICULTURAL	21	.1	8	38.1	13	61.9
CHEMICAL	143	.9	97	67.8	46	32.2
CIVIL	73	.4	50	68.5	23	31.5
ELECTRICAL	183	1.1	152	83.1	31	16.9
ENGINEERING SCIENCE	129	.8	102	79.1	27	20.9
INDUSTRIAL	26	.2	6	23.1	20	76.9
MECHANICAL	99	.6	67	67.7	32	32.3
METALLURGICAL AND MATERIALS	153	.9	131	85.6	22	14.4
MINING	9	.1	6	66.7	3	33.3
NUCLEAR	20	.1	14	70.0	6	30.0
PETROLEUM	12	.1	5	41.7	7	58.3
ENGINEERING, NEC	67	.4	49	73.1	18	26.9
PHYSICAL SCIENCES	4123	25.2	3178	77.1	945	22.9
ASTRONOMY	116	.7	105	90.5	11	9.5
ATMOSPHERIC SCIENCES	36	.2	34	94.4	2	5.6
CHEMISTRY	2413	14.8	1778	73.7	635	26.3
GEOSCIENCES	215	1.3	155	72.1	60	27.9
OCEANOGRAPHY	72	.4	49	68.1	23	31.9
PHYSICS	1271	7.8	1057	83.2	214	16.8
MATHEMATICAL SCIENCES	145	.9	94	64.8	51	35.2
APPLIED MATHEMATICS	30	.2	21	70.0	9	30.0
MATHEMATICS	96	.6	56	58.3	40	41.7
STATISTICS	19	.1	17	89.5	2	10.5
LIFE SCIENCES	10520	64.3	6998	66.5	3522	33.5
AGRICULTURE	256	1.6	142	55.5	114	44.5
ANATOMY	212	1.3	143	67.5	69	32.5
BIOCHEMISTRY	1301	8.0	958	73.6	343	26.4
BIOLOGY	619	3.8	414	66.9	205	33.1
BIOMETRY AND BIOSTATISTICS	5	.0	2	40.0	3	60.0
BIOPHYSICS	225	1.4	185	82.2	40	17.8
BIOSCIENCES, NEC	262	1.6	184	70.2	78	29.8
BOTANY	149	.9	80	53.7	69	46.3
CELL BIOLOGY	187	1.1	127	67.9	60	32.1
ECOLOGY	44	.3	19	43.2	25	56.8
ENTOMOLOGY AND PARASITOLOGY	128	.8	72	56.3	56	43.8
GENETICS	186	1.1	149	80.1	37	19.9
MICROBIOLOGY	571	3.5	444	77.8	127	22.2
NUTRITION	106	.6	59	55.7	47	44.3
PATHOLOGY	347	2.1	254	73.2	93	26.8
PHARMACOLOGY	380	2.3	293	77.1	87	22.9
PHYSIOLOGY	411	2.5	317	77.1	94	22.9
ZOOLOGY	160	1.0	125	78.1	35	21.9
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	4971	30.4	3031	61.0	1940	39.0
PSYCHOLOGY	190	1.2	130	68.4	60	31.6
SOCIAL SCIENCES	404	2.5	165	40.8	239	59.2
AGRICULTURAL ECONOMICS	32	.2	16	50.0	16	50.0
ANTHROPOLOGY	55	.3	37	67.3	18	32.7
ECONOMICS (EXCEPT AGRICULTURE)	71	.4	33	46.5	38	53.5
GEOGRAPHY	39	.2	4	10.3	35	89.7
HISTORY AND PHILOSOPHY OF SCIENCE	9	.1	5	55.6	4	44.4
LINGUISTICS	106	.6	29	27.4	77	72.6
POLITICAL SCIENCE	36	.2	15	41.7	21	58.3
SOCIOLOGY	42	.3	18	42.9	24	57.1
SOCIOLOGY AND ANTHROPOLOGY	9	.1	7	77.8	2	22.2
ALL OTHER SCIENCES, NEC	1	.0			1	100.0

TABLE A-1. GRADUATE STUDENTS IN DOCTORATE DEPARTMENTS, BY FIELD OF SCIENCE AND ENROLLMENT STATUS, 1973

AREA AND FIELD OF SCIENCE	TOTAL		FULL TIME		PART TIME	
	NUMBER	PERCENT DISTRIBUTION	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL
TOTAL, ALL FIELDS OF SCIENCE	195241	100.0	151609	77.7	43632	22.3
ENGINEERING	46397	23.8	29448	63.5	16949	36.5
AERONAUTICAL	1441	.7	1112	77.2	329	22.8
AGRICULTURAL	494	.3	420	85.0	74	15.0
CHEMICAL	4029	2.1	2931	72.7	1098	27.3
CIVIL	8031	4.1	5028	62.6	3003	37.4
ELECTRICAL	12816	6.6	7005	54.7	5811	45.3
ENGINEERING SCIENCE	1585	.8	1331	84.0	254	16.0
INDUSTRIAL	4262	2.2	2796	65.6	1466	34.4
MECHANICAL	6768	3.5	4057	59.9	2711	40.1
METALLURGICAL AND MATERIALS	2001	1.0	1609	80.4	392	19.6
MINING	271	.1	246	90.8	25	9.2
NUCLEAR	1238	.6	931	75.2	307	24.8
PETROLEUM	199	.1	179	89.9	20	10.1
ENGINEERING, NEC	3262	1.7	1803	55.3	1459	44.7
PHYSICAL SCIENCES	31051	15.9	27173	87.5	3878	12.5
ASTRONOMY	594	.3	556	93.6	38	6.4
ATMOSPHERIC SCIENCES	917	.5	814	88.8	103	11.2
CHEMISTRY	12979	6.6	11308	87.1	1671	12.9
GEOSCIENCES	5169	2.6	4473	86.5	696	13.5
OCEANOGRAPHY	1608	.8	1312	81.6	296	18.4
PHYSICS	9784	5.0	8710	89.0	1074	11.0
MATHEMATICAL SCIENCES	15660	8.0	11495	73.4	4165	26.6
APPLIED MATHEMATICS	3871	2.0	2582	66.7	1289	33.3
MATHEMATICS	10130	5.2	7616	75.2	2514	24.8
STATISTICS	1659	.8	1297	78.2	362	21.8
LIFE SCIENCES	44451	22.8	38704	87.1	5747	12.9
AGRICULTURE	4936	3.6	6110	88.2	816	11.8
ANATOMY	957	.5	868	90.7	89	9.3
BIOCHEMISTRY	3452	1.8	3246	94.0	206	6.0
BIOLOGY	5282	2.7	4285	81.1	997	18.9
BIOMETRY AND BIOSTATISTICS	335	.2	270	80.6	65	19.4
BIOPHYSICS	734	.4	701	95.5	33	4.5
BIOSCIENCES, NEC	2406	1.2	2094	87.0	312	13.0
BOTANY	2456	1.3	2190	89.2	266	10.8
CELL BIOLOGY	499	.3	484	97.0	15	3.0
ECOLOGY	486	.2	443	91.2	43	8.8
ENTOMOLOGY AND PARASITOLOGY	1220	.6	1052	86.2	168	13.8
GENETICS	720	.4	672	93.3	48	6.7
MICROBIOLOGY	3150	1.6	2872	91.2	278	8.8
NUTRITION	1719	.9	1487	86.5	232	13.5
PATHOLOGY	862	.4	743	86.2	119	13.8
PHARMACOLOGY	1351	.7	1265	93.6	86	6.4
PHYSIOLOGY	2081	1.1	1885	90.6	196	9.4
ZOOLOGY	3638	1.9	3241	89.1	397	10.9
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	6167	3.2	4788	77.6	1379	22.4
PSYCHOLOGY	16716	8.6	13760	82.3	2956	17.7
SOCIAL SCIENCES	40628	20.8	30912	76.1	9716	23.9
AGRICULTURAL ECONOMICS	1445	.7	1261	87.3	184	12.7
ANTHROPOLOGY	4672	2.4	3833	82.0	839	18.0
ECONOMICS (EXCEPT AGRICULTURE)	8582	4.4	6399	74.6	2183	25.4
GEOGRAPHY	2056	1.1	1568	76.3	488	23.7
HISTORY AND PHILOSOPHY OF SCIENCE	2953	1.5	2322	78.6	631	21.4
LINGUISTICS	2548	1.3	1999	78.5	549	21.5
POLITICAL SCIENCE	9157	4.7	6292	68.7	2865	31.3
SOCIOLOGY	8412	4.3	6566	78.1	1846	21.9
SOCIOLOGY AND ANTHROPOLOGY	498	.3	375	76.5	115	23.5
ALL OTHER SCIENCES, NEC	338	.2	117	34.6	221	65.4

TABLE B-2. GRADUATE STUDENTS IN DOCTORATE DEPARTMENTS, BY FIELD OF SCIENCE, ENROLLMENT STATUS, AND LEVEL OF STUDY, 1973

AREA AND FIELD OF SCIENCE	FULL TIME					PART TIME				
		FIRST YEAR		BEYOND FIRST YEAR			FIRST YEAR		BEYOND FIRST YEAR	
	TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL
TOTAL, ALL FIELDS OF SCIENCE	151609	48820	32.2	102789	67.8	43632	15414	35.3	28218	64.7
ENGINEERING	29448	12227	41.5	17221	58.5	16949	7792	46.0	9157	54.0
AERONAUTICAL	1112	372	33.5	740	66.5	329	113	34.3	216	65.7
AGRICULTURAL	420	157	37.4	263	62.6	74	7	9.5	67	90.5
CHEMICAL	2931	1092	37.3	1839	62.7	1098	393	35.8	705	64.2
CIVIL	5028	2656	52.8	2372	47.2	3003	1217	40.5	1786	59.5
ELECTRICAL	7005	3000	42.8	4005	57.2	5811	3177	54.7	2634	45.3
ENGINEERING SCIENCE	1331	395	29.7	936	70.3	254	53	20.9	201	79.1
INDUSTRIAL	2796	1219	43.6	1577	56.4	1466	710	48.4	756	51.6
MECHANICAL	4057	1690	41.7	2367	58.3	2711	1286	47.4	1425	52.6
METALLURGICAL AND MATERIALS	1609	504	31.3	1105	68.7	392	109	27.8	283	72.2
MINING	246	83	33.7	163	66.3	25	4	16.0	21	84.0
NUCLEAR	931	346	37.2	585	62.8	307	101	32.9	206	67.1
PETROLEUM	179	73	40.8	106	59.2	20	7	35.0	13	65.0
ENGINEERING, NEC	1803	640	35.5	1163	64.5	1459	615	42.2	844	57.8
PHYSICAL SCIENCES	27173	7099	26.1	20074	73.9	3878	850	21.9	3028	78.1
ASTRONOMY	556	126	22.7	430	77.3	38	6	15.8	32	84.2
ATMOSPHERIC SCIENCES	814	265	32.6	549	67.4	103	19	18.4	84	81.6
CHEMISTRY	11308	2924	25.9	8384	74.1	1671	414	24.8	1257	75.2
GEOSCIENCES	4473	1448	32.4	3025	67.6	696	125	18.0	571	82.0
OCEANOGRAPHY	1312	325	24.8	987	75.2	296	71	24.0	225	76.0
PHYSICS	8710	2011	23.1	6699	76.9	1074	215	20.0	859	80.0
MATHEMATICAL SCIENCES	11495	3708	32.3	7787	67.7	4165	1648	39.6	2517	60.4
APPLIED MATHEMATICS	2582	911	35.3	1671	64.7	1289	512	39.7	777	60.3
MATHEMATICS	7616	2379	31.2	5237	68.8	2514	1004	39.9	1510	60.1
STATISTICS	1297	418	32.2	879	67.8	362	132	36.5	230	63.5
LIFE SCIENCES	38704	12563	32.5	26141	67.5	5747	2002	34.8	3745	65.2
AGRICULTURE	6118	2212	36.2	3906	63.8	818	156	19.1	662	80.9
ANATOMY	868	263	30.3	605	69.7	89	20	22.5	69	77.5
BIOCHEMISTRY	3246	830	25.6	2416	74.4	206	49	23.8	157	76.2
BIOLOGY	4285	1344	31.4	2941	68.6	997	334	33.5	663	66.5
BIOMETRY AND BIOSTATISTICS	270	106	39.3	164	60.7	65	20	30.8	45	69.2
BIOPHYSICS	701	152	21.7	549	78.3	33	8	24.2	25	75.8
BIOSCIENCES, NEC	2094	703	33.6	1391	66.4	312	110	35.3	202	64.7
BOTANY	2190	632	28.9	1558	71.1	266	43	16.2	223	83.8
CELL BIOLOGY	484	126	26.0	358	74.0	15	8	53.3	7	46.7
ECOLOGY	443	141	31.8	302	68.2	43	12	27.9	31	72.1
ENTOMOLOGY AND PARASITOLOGY	1052	282	26.8	770	73.2	168	19	11.3	149	88.7
GENETICS	672	151	22.5	521	77.5	48	18	37.5	30	62.5
MICROBIOLOGY	2872	888	30.9	1984	69.1	278	86	30.9	192	69.1
NUTRITION	1487	498	33.5	989	66.5	232	102	44.0	130	56.0
PATHOLOGY	743	271	36.5	472	63.5	119	36	30.3	83	69.7
PHARMACOLOGY	1265	341	27.0	924	73.0	86	30	34.9	56	65.1
PHYSIOLOGY	1885	561	29.8	1324	70.2	196	65	33.2	131	66.8
ZOOLOGY	3241	897	27.7	2344	72.3	397	50	12.6	347	87.4
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	4788	2165	45.2	2623	54.8	1379	836	60.6	543	39.4
PSYCHOLOGY	13760	3660	26.6	10100	73.4	2956	592	20.0	2364	80.0
SOCIAL SCIENCES	30912	9503	30.7	21409	69.3	9716	2445	25.2	7271	74.8
AGRICULTURAL ECONOMICS	1201	388	30.8	873	69.2	194	16	8.2	168	91.3
ANTHROPOLOGY	3833	1063	27.7	2770	72.3	839	149	17.8	690	82.2
ECONOMICS (EXCEPT AGRICULTURE)	6399	2048	32.0	4351	68.0	2183	510	23.4	1673	76.6
GEOGRAPHY	1568	501	32.0	1067	68.0	488	70	14.3	418	85.7
HISTORY AND PHILOSOPHY OF SCIENCE	2322	632	27.2	1690	72.8	631	138	21.9	493	78.1
LINGUISTICS	1999	672	33.6	1327	66.4	549	134	24.4	415	75.6
POLITICAL SCIENCE	6292	2128	33.8	4164	66.2	2865	1032	36.0	1833	64.0
SOCIOLOGY	6566	1798	27.4	4768	72.6	1846	361	19.6	1485	80.4
SOCIOLOGY AND ANTHROPOLOGY	375	131	34.9	244	65.1	115	32	27.8	83	72.2
ALL OTHER SCIENCES, NEC	117	60	51.3	57	48.7	221	85	38.5	136	61.5

TABLE A-3. GRADUATE STUDENTS IN DOCTORATE DEPARTMENTS, BY FIELD OF SCIENCE, CONTROL OF INSTITUTION, AND LEVEL OF STUDY, 1973

AREA AND FIELD OF SCIENCE	PUBLIC TOTAL	PUBLIC FIRST YEAR NUMBER	PUBLIC FIRST YEAR PERCENT OF TOTAL	PUBLIC BEYOND FIRST YEAR NUMBER	PUBLIC BEYOND FIRST YEAR PERCENT OF TOTAL	PRIVATE TOTAL	PRIVATE FIRST YEAR NUMBER	PRIVATE FIRST YEAR PERCENT OF TOTAL	PRIVATE BEYOND FIRST YEAR NUMBER	PRIVATE BEYOND FIRST YEAR PERCENT OF TOTAL
TOTAL, ALL FIELDS OF SCIENCE	134092	44011	32.7	98591	67.3	68639	20223	33.3	48416	66.7
ENGINEERING	28388	11886	41.7	16503	58.3	18088	8213	45.4	9875	54.6
AERONAUTICAL	1011	350	34.6	661	65.4	430	135	31.4	295	68.6
AGRICULTURAL	453	141	31.1	312	68.9	41	23	56.1	18	43.9
CHEMICAL	2717	947	34.9	1770	65.1	1312	538	41.0	774	59.0
CIVIL	5678	2757	48.6	2921	51.4	2353	1116	47.4	1237	52.6
ELECTRICAL	6953	3122	44.9	3831	55.1	5863	3055	52.1	2808	47.9
ENGINEERING SCIENCE	1825	293	28.6	732	71.4	560	155	27.7	405	72.3
INDUSTRIAL	2321	992	42.7	1329	57.3	1941	937	48.3	1004	51.7
MECHANICAL	4357	1852	42.5	2505	57.5	2411	1124	46.6	1287	53.4
METALLURGICAL AND MATERIALS	1222	362	29.6	860	70.4	779	251	32.2	528	67.8
MINING	203	71	35.0	132	65.0	68	16	23.5	52	76.5
NUCLEAR	875	307	35.1	568	64.9	363	140	38.6	223	61.4
PETROLEUM	122	49	40.2	73	59.8	77	31	40.3	46	59.7
ENGINEERING, NEC	1372	563	41.0	809	59.0	1890	692	36.6	1198	63.4
PHYSICAL SCIENCES	21682	5704	26.3	15978	73.7	9369	2245	24.0	7124	76.0
ASTRONOMY	429	101	23.5	328	76.5	165	31	18.8	134	81.2
ATMOSPHERIC SCIENCES	794	252	31.7	542	68.3	123	32	26.0	91	74.0
CHEMISTRY	9134	2390	26.2	6744	73.8	3845	948	24.7	2897	75.3
GEOSCIENCES	3874	1211	31.3	2663	68.7	1295	362	28.0	933	72.0
OCEANOGRAPHY	1316	292	22.2	1024	77.8	292	104	35.6	188	64.4
PHYSICS	6135	1458	23.8	4677	76.2	3649	768	21.0	2881	79.0
MATHEMATICAL SCIENCES	11315	3838	33.9	7477	66.1	4345	1518	34.9	2827	65.1
APPLIED MATHEMATICS	2855	1093	38.3	1762	61.7	1016	330	32.5	686	67.5
MATHEMATICS	7095	2281	32.1	4814	67.9	3035	1102	36.3	1933	63.7
STATISTICS	1365	464	34.0	901	66.0	294	86	29.3	208	70.7
LIFE SCIENCES	35199	11751	33.4	23448	66.6	9252	2814	30.4	6438	69.6
AGRICULTURE	6667	2280	34.2	4387	65.8	269	88	32.7	181	67.3
ANATOMY	615	190	30.9	425	69.1	342	93	27.2	249	72.8
BIOCHEMISTRY	2503	648	25.9	1855	74.1	949	231	24.3	718	75.7
BIOLOGY	2858	992	34.8	1858	65.2	2432	686	28.2	1746	71.8
BIOMETRY AND BIOSTATISTICS	279	111	39.8	168	60.2	56	15	26.8	41	73.2
BIOPHYSICS	451	102	22.6	349	77.4	283	58	20.5	225	79.5
BIOSCIENCES, NEC	1955	658	33.7	1297	66.3	451	155	34.4	296	65.6
BOTANY	2263	624	27.6	1639	72.4	193	51	26.4	142	73.6
CELL BIOLOGY	301	83	26.9	226	73.1	190	51	26.8	139	73.2
ECOLOGY	421	133	31.6	288	68.4	65	20	30.8	45	69.2
ENTOMOLOGY AND PARASITOLOGY	1138	286	25.1	852	74.9	82	15	18.3	67	81.7
GENETICS	590	146	24.7	444	75.3	130	23	17.7	107	82.3
MICROBIOLOGY	2466	789	32.0	1677	68.0	684	185	27.0	499	73.0
NUTRITION	1351	463	34.3	888	65.7	368	137	37.2	231	62.8
PATHOLOGY	591	227	38.4	364	61.6	271	80	29.5	191	70.5
PHARMACOLOGY	942	272	28.9	670	71.1	409	99	24.2	310	75.8
PHYSIOLOGY	1548	472	30.5	1076	69.5	533	154	28.9	379	71.1
ZOOLOGY	3502	915	26.1	2587	73.9	136	32	23.5	104	76.5
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	4758	2360	49.6	2398	50.4	1409	641	45.5	768	54.5
PSYCHOLOGY	10919	2620	24.0	8299	76.0	5797	1632	28.2	4165	71.8
SOCIAL SCIENCES	27007	8156	30.2	18851	69.8	13621	3792	27.8	9829	72.2
AGRICULTURAL ECONOMICS	1360	377	27.7	983	72.3	85	27	31.8	58	68.2
ANTHROPOLOGY	3371	853	25.3	2518	74.7	1301	359	27.6	942	72.4
ECONOMICS (EXCEPT AGRICULTURE)	5486	1572	29.1	3834	70.9	3176	986	31.0	2190	69.0
GEOGRAPHY	1750	469	26.8	1281	73.2	306	102	33.3	204	66.7
HISTORY AND PHILOSOPHY OF SCIENCE	1490	422	28.3	1068	71.7	1463	348	23.8	1115	76.2
LINGUISTICS	1840	595	32.3	1245	67.7	708	211	29.8	497	70.2
POLITICAL SCIENCE	5913	2285	38.6	3628	61.4	3244	875	27.0	2369	73.0
SOCIOLOGY	5526	1463	26.5	4063	73.5	2886	696	24.1	2190	75.9
SOCIOLOGY AND ANTHROPOLOGY	303	111	36.6	192	63.4	187	52	27.8	135	72.2
ALL OTHER SCIENCES, NEC	171	136	79.5	35	20.5	167	9	5.4	158	94.6

TABLE B-4. FULL-TIME GRADUATE STUDENTS IN DOCTORATE DEPARTMENTS, BY FIELD OF SCIENCE, CONTROL OF INSTITUTION, AND LEVEL OF STUDY, 1973

AREA AND FIELD OF SCIENCE	PUBLIC					PRIVATE				
		FIRST YEAR		BEYOND FIRST YEAR			FIRST YEAR		BEYOND FIRST YEAR	
	TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL
TOTAL, ALL FIELDS OF SCIENCE	109843	35499	32.3	74344	67.7	41766	13321	31.9	28445	68.1
ENGINEERING	19828	8171	41.2	11657	58.8	9620	4056	42.2	5564	57.8
AERONAUTICAL	772	268	34.7	504	65.3	340	104	30.6	236	69.4
AGRICULTURAL	390	134	34.4	256	65.6	30	23	76.7	7	23.3
CHEMICAL	1965	700	35.6	1265	64.4	966	392	40.6	574	59.4
CIVIL	3831	1991	52.0	1840	48.0	1197	665	55.6	532	44.4
ELECTRICAL	4479	1874	41.8	2605	58.2	2526	1126	44.6	1400	55.4
ENGINEERING SCIENCE	845	261	30.9	584	69.1	486	134	27.6	352	72.4
INDUSTRIAL	1807	786	43.5	1021	56.5	989	433	43.8	556	56.2
MECHANICAL	2694	1134	42.1	1560	57.9	1363	556	40.8	807	59.2
METALLURGICAL AND MATERIALS	1001	293	29.3	708	70.7	604	211	34.7	397	65.3
MINING	179	67	37.4	112	62.6	67	16	23.9	51	76.1
NUCLEAR	739	278	37.6	461	62.4	192	68	35.4	124	64.6
PETROLEUM	112	47	42.0	65	58.0	67	26	38.8	41	61.2
ENGINEERING, NEC	1014	338	33.3	676	66.7	789	301	38.3	487	61.7
PHYSICAL SCIENCES	19364	5205	26.9	14159	73.1	7809	1894	24.3	5915	75.7
ASTRONOMY	394	95	24.1	299	75.9	162	31	19.1	131	80.9
ATMOSPHERIC SCIENCES	746	243	32.6	503	67.4	68	22	32.4	46	67.6
CHEMISTRY	8186	2140	26.1	6046	73.9	3122	784	25.1	2338	74.9
GEOSCIENCES	3319	1116	33.6	2203	66.4	1154	332	28.8	822	71.2
OCEANOGRAPHY	1077	257	23.9	820	76.1	235	68	28.9	167	71.1
PHYSICS	5642	1354	24.0	4288	76.0	3068	657	21.4	2411	78.6
MATHEMATICAL SCIENCES	8824	2881	32.6	5943	67.4	2671	827	31.0	1844	69.0
APPLIED MATHEMATICS	1940	714	36.8	1226	63.2	642	197	30.7	445	69.3
MATHEMATICS	5823	1820	31.3	4003	68.7	1793	559	31.2	1234	68.8
STATISTICS	1061	347	32.7	714	67.3	236	71	30.1	165	69.9
LIFE SCIENCES	30908	10231	33.1	20675	66.9	7798	2332	29.9	5466	70.1
AGRICULTURE	5854	2125	36.3	3729	63.7	264	87	33.0	177	67.0
ANATOMY	558	179	32.1	379	67.9	310	84	27.1	226	72.9
BIOCHEMISTRY	2359	616	26.1	1743	73.9	887	214	24.1	673	75.9
BIOLOGY	2514	865	34.4	1649	65.6	1771	479	27.0	1292	73.0
BIOMETRY AND BIOSTATISTICS	227	92	40.5	135	59.5	43	14	32.6	29	67.4
BIOPHYSICS	421	94	22.3	327	77.7	280	58	20.7	222	79.3
BIOSCIENCES, NEC	1675	561	33.5	1114	66.5	419	142	33.9	277	66.1
BOTANY	2010	581	28.9	1429	71.1	180	51	28.3	129	71.7
CELL BIOLOGY	299	77	25.8	222	74.2	185	49	26.5	136	73.5
ECOLOGY	378	121	32.0	257	68.0	65	20	30.8	45	69.2
ENTOMOLOGY AND PARASITOLOGY	971	267	27.5	704	72.5	81	15	18.5	66	81.5
GENETICS	552	131	23.7	421	76.3	120	20	16.7	100	83.3
MICROBIOLOGY	2266	727	32.1	1539	67.9	606	161	26.6	445	73.4
NUTRITION	1127	364	32.3	763	67.7	360	134	37.2	226	62.8
PATHOLOGY	501	199	39.7	302	60.3	242	72	29.8	170	70.2
PHARMACOLOGY	890	255	28.7	635	71.3	375	86	22.9	289	77.1
PHYSIOLOGY	1414	419	29.6	995	70.4	471	142	30.1	329	69.9
ZOOLOGY	3119	865	27.7	2254	72.3	122	32	26.2	90	73.8
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	3771	1693	44.9	2078	55.1	1017	472	46.4	545	53.6
PSYCHOLOGY	9788	2456	25.1	7332	74.9	3972	1204	30.3	2768	69.7
SOCIAL SCIENCES	21047	6504	30.9	14543	69.1	9865	2999	30.4	6866	69.6
AGRICULTURAL ECONOMICS	1176	361	30.7	815	69.3	85	27	31.8	58	68.2
ANTHROPOLOGY	2798	762	27.2	2036	72.8	1035	301	29.1	734	70.9
ECONOMICS (EXCEPT AGRICULTURE)	4217	1311	31.1	2906	68.9	2182	737	33.8	1445	66.2
GEOGRAPHY	1356	421	31.0	935	69.0	212	80	37.7	132	62.3
HISTORY AND PHILOSOPHY OF SCIENCE	1288	374	29.0	914	71.0	1034	258	25.0	776	75.0
LINGUISTICS	1447	512	35.4	935	64.6	552	160	29.0	392	71.0
POLITICAL SCIENCE	4015	1417	35.3	2598	64.7	2277	711	31.2	1566	68.8
SOCIOLOGY	4454	1245	28.0	3209	72.0	2112	553	26.2	1559	73.8
SOCIOLOGY AND ANTHROPOLOGY	250	92	36.8	158	63.2	125	39	31.2	86	68.8
ALL OTHER SCIENCES, NEC	86	51	59.3	35	40.7	31	9	29.0	22	71.0

TABLE B-5. PART-TIME GRADUATE STUDENTS IN DOCTORATE DEPARTMENTS, BY FIELD OF SCIENCE, CONTROL OF INSTITUTION, AND LEVEL OF STUDY, 1973

AREA AND FIELD OF SCIENCE	PUBLIC					PRIVATE				
		FIRST YEAR		BEYOND FIRST YEAR			FIRST YEAR		BEYOND FIRST YEAR	
	TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL
TOTAL, ALL FIELDS OF SCIENCE	24759	8512	34.4	16247	65.6	18873	6902	36.6	11971	63.4
ENGINEERING	8481	3635	42.9	4846	57.1	8468	4157	49.1	4311	50.9
AERONAUTICAL	295	82	34.3	157	65.7	90	31	34.4	59	65.6
AGRICULTURAL	63	7	11.1	56	88.9	11			11	100.0
CHEMICAL	752	247	32.8	505	67.2	346	146	42.2	200	57.8
CIVIL	1847	766	41.5	1081	58.5	1156	451	39.0	705	61.0
ELECTRICAL	2474	1248	50.4	1226	49.6	3337	1929	57.8	1408	42.2
ENGINEERING SCIENCE	180	32	17.8	148	82.2	74	21	28.4	53	71.6
INDUSTRIAL	514	206	40.1	308	59.9	952	504	52.9	448	47.1
MECHANICAL	1663	718	43.2	945	56.8	1048	568	54.2	480	45.8
METALLURGICAL AND MATERIALS	221	69	31.2	152	68.8	171	40	23.4	131	76.6
MINING	24	4	16.7	20	83.3	1			1	100.0
NUCLEAR	136	29	21.3	107	78.7	171	72	42.1	99	57.9
PETROLEUM	10	2	20.0	8	80.0	10	5	50.0	5	50.0	
ENGINEERING, NEC	358	225	62.8	133	37.2	1101	390	35.4	711	64.6
PHYSICAL SCIENCES	2318	499	21.5	1819	78.5	1560	351	22.5	1209	77.5
ASTRONOMY	35	6	17.1	29	82.9	3			3	100.0
ATMOSPHERIC SCIENCES	48	9	18.7	39	81.3	55	10	18.2	45	81.8
CHEMISTRY	946	250	26.4	698	73.6	723	164	22.7	559	77.3
GEOSCIENCES	565	95	17.1	460	82.9	141	30	21.3	111	78.7
OCEANOGRAPHY	239	35	14.6	204	85.4	57	36	63.2	21	36.8
PHYSICS	493	104	21.1	389	78.9	581	111	19.1	470	80.9
MATHEMATICAL SCIENCES	2491	957	38.4	1534	61.6	1674	691	41.3	983	58.7
APPLIED MATHEMATICS	915	379	41.4	536	58.6	374	133	35.6	241	64.4
MATHEMATICS	1272	461	36.2	811	63.8	1242	543	43.7	699	56.3
STATISTICS	304	117	38.5	187	61.5	58	15	25.9	43	74.1
LIFE SCIENCES	4293	1520	35.4	2773	64.6	1454	482	33.1	972	66.9
AGRICULTURE	813	155	19.1	658	80.9	5	1	20.0	4	80.0
ANATOMY	57	11	19.3	46	80.7	32	9	28.1	23	71.9
BIOCHEMISTRY	144	32	22.2	112	77.8	62	17	27.4	45	72.6
BIOLOGY	336	127	37.8	209	62.2	661	207	31.3	454	68.7
BIOMETRY AND BIOSTATISTICS	52	19	36.5	33	63.5	13	1	7.7	12	92.3
BIOPHYSICS	30	8	26.7	22	73.3	3			3	100.0
BIOSCIENCES, NEC	280	97	34.6	183	65.4	32	13	40.6	19	59.4
BOTANY	253	43	17.0	210	83.0	13			13	100.0
CELL BIOLOGY	10	6	60.0	4	40.0	5	2	40.0	3	60.0
ECOLOGY	43	12	27.9	31	72.1					
ENTOMOLOGY AND PARASITOLOGY	167	19	11.4	148	88.6	1			1	100.0
GENETICS	38	15	39.5	23	60.5	10	3	30.0	7	70.0
MICROBIOLOGY	200	62	31.0	138	69.0	78	24	30.8	54	69.2
NUTRITION	224	99	44.2	125	55.8	8	3	37.5	5	62.5
PATHOLOGY	90	28	31.1	62	68.9	29	8	27.6	21	72.4
PHARMACOLOGY	52	17	32.7	35	67.3	34	13	38.2	21	61.8
PHYSIOLOGY	134	53	39.6	81	60.4	62	12	19.4	50	80.6
ZOOLOGY	383	50	13.1	333	86.9	14			14	100.0
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	987	667	67.6	320	32.4	392	169	43.1	223	56.9
PSYCHOLOGY	1131	164	14.5	967	85.5	1825	428	23.5	1397	76.5
SOCIAL SCIENCES	5960	1652	27.7	4308	72.3	3756	793	21.1	2963	78.9
AGRICULTURAL ECONOMICS	184	16	8.7	168	91.3					
ANTHROPOLOGY	573	91	15.9	482	84.1	266	58	21.8	208	78.2
ECONOMICS (EXCEPT AGRICULTURE)	1189	261	22.0	928	78.0	994	249	25.1	745	74.9
GEOGRAPHY	396	48	12.2	348	87.8	94	22	23.4	72	76.6
HISTORY AND PHILOSOPHY OF SCIENCE	282	48	23.8	154	76.2	429	90	21.0	339	79.0
LINGUISTICS	393	83	21.1	310	78.9	156	51	32.7	105	67.3
POLITICAL SCIENCE	1898	868	45.7	1030	54.3	967	164	17.0	803	83.0
SOCIOLOGY	1072	218	28.3	854	79.7	774	143	18.5	631	81.5
SOCIOLOGY AND ANTHROPOLOGY	53	19	35.8	34	64.2	62	13	21.0	49	79.0
ALL OTHER SCIENCES, NEC	85	85	100.0			136			136	100.0

TABLE B-6. GRADUATE STUDENTS IN DOCTORATE DEPARTMENTS, BY STATE, ENROLLMENT STATUS, AND SOURCE OF MAJOR SUPPORT, 19[illegible]

DIVISION AND STATE	TOTAL		FULL TIME						PART TIME	
			TOTAL		SUPPORTED BY U.S. GOVERNMENT SOURCES		SUPPORTED BY NON-U.S. GOVERNMENT SOURCES			
	NUMBER	PERCENT DISTRIBUTION	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL
UNITED STATES, TOTAL	195241	100.0	151609	77.7	41336	27.3	110273	72.7	43632	22.3
NEW ENGLAND	16804	8.2	13872	81.7	4878	31.2	8994	68.8	2932	18.3
MAINE	239	.1	198	82.8	59	29.8	139	70.2	41	17.2
NEW HAMPSHIRE	503	.3	474	94.2	109	23.0	365	77.0	29	5.8
VERMONT	411	.2	410	99.8	82	20.0	328	80.0	1	.2
MASSACHUSETTS	10497	5.4	8213	78.2	2822	34.4	5391	65.6	2284	21.8
RHODE ISLAND	1406	.7	1119	79.6	397	35.5	722	64.5	287	20.4
CONNECTICUT	2948	1.5	2658	90.2	689	22.9	2049	77.1	290	9.8
MIDDLE ATLANTIC	40515	20.8	25647	63.3	6183	24.1	19464	75.9	14868	36.7
NEW YORK	25320	[illegible]	15988	63.1	3602	22.5	12386	77.5	9332	36.9
NEW JERSEY	5865	[illegible]	2922	49.8	685	23.4	2237	76.6	2943	50.2
PENNSYLVANIA	9330	[illegible]	6737	72.2	1896	28.1	4841	71.9	2593	27.8
EAST NORTH CENTRAL	37039	19.0	31489	85.0	8227	26.1	23262	73.9	5550	15.0
OHIO	8665	4.4	6654	76.7	1678	25.2	4972	74.8	2015	23.3
INDIANA	5464	2.8	4863	89.0	1203	24.7	3660	75.3	601	11.0
ILLINOIS	9784	5.0	8494	87.5	2526	29.7	5968	70.3	1210	12.5
MICHIGAN	8530	4.4	7181	84.2	1404	19.6	5777	80.4	1349	15.8
WISCONSIN	4676	2.4	4301	92.0	1416	32.9	2885	67.1	375	8.0
WEST NORTH CENTRAL	14422	7.4	11814	81.9	3322	28.1	8492	71.9	2608	18.1
MINNESOTA	3801	1.9	3273	86.1	1082	33.1	2191	66.9	528	13.9
IOWA	3247	1.7	2783	85.7	674	24.2	2109	75.8	464	14.3
MISSOURI	3466	1.8	2674	77.1	759	28.4	1915	71.6	792	22.9
NORTH DAKOTA	389	.2	270	87.4	88	32.6	182	67.4	39	12.6
SOUTH DAKOTA	220	.1	139	63.2	43	30.9	96	69.1	81	36.8
NEBRASKA	1027	.5	762	74.2	139	18.2	623	81.8	265	25.8
KANSAS	2352	1.2	1913	81.3	537	28.1	1376	71.9	439	18.7
SOUTH ATLANTIC	24182	12.4	17951	74.2	4912	27.4	13039	72.6	6231	25.8
DELAWARE	717	.4	417	58.2	104	24.9	313	75.1	300	41.8
MARYLAND	4140	2.1	2792	67.4	821	29.4	1971	70.6	1348	32.6
DISTRICT OF COLUMBIA	3777	1.9	1534	40.6	333	21.7	1201	78.3	2243	59.4
VIRGINIA	2577	1.3	2113	82.0	526	24.9	1587	75.1	464	18.0
WEST VIRGINIA	759	.4	642	84.6	157	24.5	485	75.5	117	15.4
NORTH CAROLINA	3664	1.9	3317	90.5	1198	36.1	2119	63.9	347	9.5
SOUTH CAROLINA	1446	.7	1115	77.1	179	16.1	936	83.9	331	22.9
GEORGIA	3811	1.5	2471	82.1	521	21.1	1950	78.9	540	17.9
FLORIDA	4091	2.1	3550	86.8	1073	30.2	2477	69.8	541	13.2
EAST SOUTH CENTRAL	6145	3.1	4886	79.5	1116	22.8	3770	77.2	1259	20.5
KENTUCKY	1131	.6	952	84.2	179	18.8	773	81.2	179	15.8
TENNESSEE	2974	1.5	2199	73.9	549	25.0	1650	75.0	775	26.1
ALABAMA	1037	.5	912	87.9	192	21.1	720	78.9	125	12.1
MISSISSIPPI	1003	.5	823	82.1	196	23.8	627	76.2	180	17.9
WEST SOUTH CENTRAL	11817	6.1	11484	72.6	2235	19.5	9249	80.5	4333	27.4
ARKANSAS	585	.3	438	86.7	85	19.4	353	80.6	57	13.3
LOUISIANA	2016	1.0	1586	78.7	310	19.5	1276	80.5	430	21.3
OKLAHOMA	2444	1.8	2020	58.7	398	19.7	1622	80.3	1424	41.3
TEXAS	9852	5.0	7440	75.5	1442	19.4	5998	80.6	2412	24.5
MOUNTAIN	12506	6.4	10337	82.7	2770	26.8	7567	73.2	2169	17.3
MONTANA	532	.3	494	92.9	126	25.5	368	74.5	38	7.1
IDAHO	511	.3	457	89.4	93	20.4	364	79.6	54	10.6
WYOMING	437	.2	399	91.3	105	26.3	294	73.7	38	8.7
COLORADO	3974	2.0	3428	86.3	1104	32.2	2324	67.8	546	13.7
NEW MEXICO	1257	.6	848	67.5	205	24.2	643	75.8	409	32.5
ARIZONA	3411	1.7	2690	78.9	520	19.3	2170	80.7	721	21.1
UTAH	2098	1.1	1782	84.9	578	32.4	1204	67.6	316	15.1
NEVADA	286	.1	239	83.6	39	16.3	200	83.7	47	16.4
PACIFIC	28445	14.6	24833	87.3	8473	34.1	16360	65.9	3612	12.7
WASHINGTON	3344	1.7	2819	84.3	934	33.1	1885	66.9	525	15.7
OREGON	2281	1.2	2027	88.9	576	28.4	1451	71.6	254	11.1
CALIFORNIA	21336	10.9	18590	87.1	6445	34.7	12145	65.3	2746	12.9
ALASKA	191	.1	167	87.4	63	37.7	104	62.3	24	12.6
HAWAII	1293	.7	1230	95.1	455	37.0	775	63.0	63	4.9
OUTLYING AREAS	166	.1	96	57.8	20	20.8	76	79.2	70	42.2

TABLE B-7. FULL-TIME GRADUATE STUDENTS IN DOCTORATE DEPARTMENTS, BY FIELD OF SCIENCE AND CITIZENSHIP, 1973

AREA AND FIELD OF SCIENCE	TOTAL		U.S. CITIZENS		FOREIGN STUDENTS	
	NUMBER	PERCENT DISTRIBUTION	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL
TOTAL, ALL FIELDS OF SCIENCE	151609	100.0	122562	80.8	29047	19.2
ENGINEERING	29448	19.4	19189	65.2	10259	34.8
AERONAUTICAL	1112	.7	767	69.0	345	31.0
AGRICULTURAL	420	.3	233	55.5	187	44.5
CHEMICAL	2931	1.9	1621	55.3	1310	44.7
CIVIL	5028	3.3	3363	66.9	1665	33.1
ELECTRICAL	7005	4.6	4610	65.8	2395	34.2
ENGINEERING SCIENCE	1331	.9	838	63.0	493	37.0
INDUSTRIAL	2796	1.8	1910	68.3	886	31.7
MECHANICAL	4057	2.7	2665	65.7	1392	34.3
METALLURGICAL AND MATERIALS	1609	1.1	1005	62.5	604	37.5
MINING	246	.2	112	45.5	134	54.5
NUCLEAR	931	.6	704	75.6	227	24.4
PETROLEUM	179	.1	58	32.4	121	67.6
ENGINEERING, NEC	1803	1.2	1303	72.3	500	27.7
PHYSICAL SCIENCES	27173	17.9	21818	80.3	5355	19.7
ASTRONOMY	556	.4	502	90.3	54	9.7
ATMOSPHERIC SCIENCES	814	.5	685	84.2	129	15.8
CHEMISTRY	11308	7.5	8899	78.7	2409	21.3
GEOSCIENCES	4473	3.0	3985	89.1	488	10.9
OCEANOGRAPHY	1312	.9	1183	90.2	129	9.8
PHYSICS	8710	5.7	6564	75.4	2146	24.6
MATHEMATICAL SCIENCES	11495	7.6	9207	80.1	2288	19.9
APPLIED MATHEMATICS	2582	1.7	2050	79.4	532	20.6
MATHEMATICS	7616	5.0	6288	82.6	1328	17.4
STATISTICS	1297	.9	869	67.0	428	33.0
LIFE SCIENCES	38704	25.5	33112	85.6	5592	14.4
AGRICULTURE	6118	4.0	4652	76.0	1466	24.0
ANATOMY	868	.6	824	94.9	44	5.1
BIOCHEMISTRY	3246	2.1	2726	84.0	520	16.0
BIOLOGY	4285	2.8	3974	92.7	311	7.3
BIOMETRY AND BIOSTATISTICS	270	.2	236	87.4	34	12.6
BIOPHYSICS	701	.5	588	83.9	113	16.1
BIOSCIENCES, NEC	2094	1.4	1911	91.3	183	8.7
BOTANY	2190	1.4	1828	83.5	362	16.5
CELL BIOLOGY	484	.3	423	87.4	61	12.6
ECOLOGY	443	.3	419	94.6	24	5.4
ENTOMOLOGY AND PARASITOLOGY	1052	.7	841	79.9	211	20.1
GENETICS	672	.4	550	81.8	122	18.2
MICROBIOLOGY	2872	1.9	2556	89.0	316	11.0
NUTRITION	1487	1.0	997	67.0	490	33.0
PATHOLOGY	743	.5	644	86.7	99	13.3
PHARMACOLOGY	1265	.8	1062	84.0	203	16.0
PHYSIOLOGY	1885	1.2	1710	90.7	175	9.3
ZOOLOGY	3241	2.1	3064	94.5	177	5.5
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	4788	3.2	4107	85.8	681	14.2
PSYCHOLOGY	13760	9.1	13091	95.1	669	4.9
SOCIAL SCIENCES	30912	20.4	26039	84.2	4873	15.8
AGRICULTURAL ECONOMICS	1261	.8	783	62.1	478	37.9
ANTHROPOLOGY	3833	2.5	3605	94.1	228	5.9
ECONOMICS (EXCEPT AGRICULTURE)	6399	4.2	4515	70.6	1884	29.4
GEOGRAPHY	1568	1.0	1368	87.2	200	12.8
HISTORY AND PHILOSOPHY OF SCIENCE	2322	1.5	2141	92.2	181	7.8
LINGUISTICS	1999	1.3	1671	83.6	328	16.4
POLITICAL SCIENCE	6292	4.2	5557	88.3	735	11.7
SOCIOLOGY	6566	4.3	5784	88.1	782	11.9
SOCIOLOGY AND ANTHROPOLOGY	375	.2	333	88.8	42	11.2
ALL OTHER SCIENCES, NEC	117	.1	106	90.6	11	9.4

TABLE A-8, FULL-TIME GRADUATE STUDENTS IN DOCTORATE DEPARTMENTS, BY FIELD OF SCIENCE AND SEX OF STUDENT, 1973

AREA AND FIELD OF SCIENCE	TOTAL		MEN		WOMEN	
	NUMBER	PERCENT DISTRIBUTION	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL
TOTAL, ALL FIELDS OF SCIENCE	151689	100.0	122905	81.1	28784	18.9
ENGINEERING	29448	19.4	28621	97.2	827	2.8
AERONAUTICAL	1112	.7	1098	98.7	14	1.3
AGRICULTURAL	420	.3	419	99.8	1	.2
CHEMICAL	2931	1.9	2859	97.5	72	2.5
CIVIL	5028	3.3	4877	97.0	151	3.0
ELECTRICAL	7005	4.6	6849	97.8	156	2.2
ENGINEERING SCIENCE	1331	.9	1293	97.1	38	2.9
INDUSTRIAL	2796	1.8	2639	94.4	157	5.6
MECHANICAL	4257	2.7	4003	98.7	54	1.3
METALLURGICAL AND MATERIALS	1809	1.2	1753	96.5	56	3.5
MINING	248	.2	239	97.2	7	2.8
NUCLEAR	931	.6	918	98.6	13	1.4
PETROLEUM	179	.1	175	97.8	4	2.2
ENGINEERING, NEC	1803	1.2	1699	94.2	104	5.8
PHYSICAL SCIENCES	27173	17.9	24173	89.0	3000	11.0
ASTRONOMY	956	.6	880	89.9	56	10.1
ATMOSPHERIC SCIENCES	814	.5	768	94.3	46	5.7
CHEMISTRY	11306	7.5	9593	84.8	1715	15.2
GEOSCIENCES	4473	3.0	3984	89.1	489	10.9
OCEANOGRAPHY	1312	.9	1169	89.1	143	10.9
PHYSICS	8710	5.7	8159	93.7	551	6.3
MATHEMATICAL SCIENCES	11495	7.6	9432	82.1	2063	17.9
APPLIED MATHEMATICS	2582	1.7	2220	86.0	362	14.0
MATHEMATICS	7616	5.0	6171	81.0	1445	19.0
STATISTICS	1297	.9	1041	80.3	256	19.7
LIFE SCIENCES	38704	25.5	29172	75.4	9532	24.6
AGRICULTURE	6118	4.0	5594	91.4	524	8.6
ANATOMY	858	.6	630	73.5	228	26.5
BIOCHEMISTRY	3246	2.1	2443	75.3	803	24.7
BIOLOGY	6285	2.8	2899	67.7	1386	32.3
BIOMETRY AND BIOSTATISTICS	278	.2	178	65.9	92	34.1
BIOPHYSICS	781	.5	559	79.7	142	20.3
BIOSCIENCES, NEC	2094	1.4	1506	71.9	588	28.1
BOTANY	2198	1.4	1651	75.4	539	24.6
CELL BIOLOGY	484	.3	344	71.1	140	28.9
ECOLOGY	443	.3	355	80.1	88	19.9
ENTOMOLOGY AND PARASITOLOGY	1852	.7	920	87.5	132	12.5
GENETICS	672	.4	428	63.7	244	36.3
MICROBIOLOGY	2872	1.9	1941	67.6	931	32.4
NUTRITION	1487	1.0	775	52.1	712	47.9
PATHOLOGY	743	.5	549	73.9	194	26.1
PHARMACOLOGY	1265	.8	1019	80.6	246	19.4
PHYSIOLOGY	1885	1.2	1495	79.3	390	20.7
ZOOLOGY	3241	2.1	2505	77.3	736	22.7
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	4788	3.2	3373	70.4	1415	29.6
PSYCHOLOGY	13768	9.1	8766	63.7	4994	36.3
SOCIAL SCIENCES	30912	20.4	22643	73.3	8269	26.7
AGRICULTURAL ECONOMICS	1261	.8	1172	92.9	89	7.1
ANTHROPOLOGY	3833	2.5	2138	55.8	1695	44.2
ECONOMICS (EXCEPT AGRICULTURE)	6399	4.2	5603	87.6	796	12.4
GEOGRAPHY	1568	1.0	1229	78.4	339	21.6
HISTORY AND PHILOSOPHY OF SCIENCE	2322	1.5	1741	75.0	581	25.0
LINGUISTICS	1999	1.3	1039	52.0	960	48.0
POLITICAL SCIENCE	6292	4.2	5145	81.8	1147	18.2
SOCIOLOGY	6506	4.3	4169	63.5	2397	36.5
SOCIOLOGY AND ANTHROPOLOGY	375	.2	215	57.3	160	42.7
ALL OTHER SCIENCES, NEC	117	.1	78	66.7	39	33.3

TABLE B-9. FULL-TIME GRADUATE STUDENTS IN DOCTORATE DEPARTMENTS, BY FIELD OF SCIENCE, SEX OF STUDENT, AND LEVEL OF STUDY, 1973

AREA AND FIELD OF SCIENCE	MEN					WOMEN				
		FIRST YEAR		BEYOND FIRST YEAR			FIRST YEAR		BEYOND FIRST YEAR	
	TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL
TOTAL, ALL FIELDS OF SCIENCE	122985	39025	31.8	83880	68.2	28784	9795	34.1	18989	65.9
ENGINEERING	28621	11823	41.3	16798	58.7	827	404	48.9	423	51.1
AERONAUTICAL	1098	364	33.2	736	66.8	14	8	57.1	6	42.9
AGRICULTURAL	419	156	37.2	263	62.8	1	1	100.0		
CHEMICAL	2859	1059	37.0	1800	63.0	72	33	45.8	39	54.2
CIVIL	4877	2564	52.6	2313	47.4	151	92	60.9	59	39.1
ELECTRICAL	6849	2925	42.7	3924	57.3	156	75	48.1	81	51.9
ENGINEERING SCIENCE	1293	381	29.5	912	70.5	38	14	36.8	24	63.2
INDUSTRIAL	2639	1133	42.9	1506	57.1	157	86	54.8	71	45.2
MECHANICAL	4003	1669	41.7	2334	58.3	54	21	38.9	33	61.1
METALLURGICAL AND MATERIALS	1553	479	30.8	1074	69.2	56	25	44.6	31	55.4
MINING	239	80	33.5	159	66.5	7	3	42.9	4	57.1
NUCLEAR	918	341	37.1	577	62.9	13	5	[illegible]	8	61.5
PETROLEUM	175	72	41.1	103	58.9	4	1	25.0	3	75.0
ENGINEERING, NEC	1699	600	35.3	1099	64.7	104	40	38.5	64	61.5
PHYSICAL SCIENCES	24173	6174	25.5	17999	74.5	3000	925	30.8	2075	69.2
ASTRONOMY	980	188	21.6	392	78.4	56	18	32.1	38	67.9
ATMOSPHERIC SCIENCES	768	248	32.3	520	67.7	46	17	37.0	29	63.0
CHEMISTRY	9593	2402	25.0	7191	75.0	1715	522	30.4	1193	69.6
GEOSCIENCES	3984	1263	31.7	2721	68.3	489	185	37.8	304	62.2
OCEANOGRAPHY	1169	281	24.0	888	76.0	143	44	30.8	99	69.2
PHYSICS	8159	1872	22.9	6287	77.1	551	139	25.2	412	74.8
MATHEMATICAL SCIENCES	9432	2917	30.9	6515	69.1	2063	791	38.3	1272	61.7
APPLIED MATHEMATICS	2220	757	34.1	1463	65.9	362	154	42.5	208	57.5
MATHEMATICS	6171	1838	29.8	4333	70.2	1445	541	37.4	904	62.6
STATISTICS	1041	322	30.9	719	69.1	256	96	37.5	160	62.5
LIFE SCIENCES	29172	9130	31.3	20042	68.7	9532	3433	36.0	6099	64.0
AGRICULTURE	5504	1978	35.4	3616	64.6	524	234	44.7	290	55.3
ANATOMY	638	193	30.3	445	69.7	230	70	30.4	160	69.6
BIOCHEMISTRY	2443	621	25.4	1822	74.6	863	269	26.0	594	74.0
BIOLOGY	2899	901	31.1	1998	68.9	1386	443	32.0	943	68.0
BIOMETRY AND BIOSTATISTICS	178	64	36.0	114	64.0	92	42	45.7	50	54.3
BIOPHYSICS	559	122	21.8	437	78.2	142	30	21.1	112	78.9
BIOSCIENCES, NEC	1506	497	33.0	1009	67.0	588	206	35.0	382	65.0
BOTANY	1651	451	27.3	1200	72.7	539	181	33.6	358	66.4
CELL BIOLOGY	344	93	27.0	251	73.0	140	33	23.6	107	76.4
ECOLOGY	355	112	31.5	243	68.5	88	29	33.0	59	67.0
ENTOMOLOGY AND PARASITOLOGY	920	241	26.2	679	73.8	132	41	31.1	91	68.9
GENETICS	429	78	18.2	350	81.8	244	73	29.9	171	70.1
MICROBIOLOGY	1941	577	29.7	1364	70.3	931	311	33.4	620	66.6
NUTRITION	775	220	28.4	555	71.6	712	278	39.0	434	61.0
PATHOLOGY	949	183	33.3	366	66.7	194	88	45.4	106	54.6
PHARMACOLOGY	1019	273	26.8	746	73.2	246	68	27.6	178	72.4
PHYSIOLOGY	1495	444	29.7	1051	70.3	390	117	30.0	273	70.0
ZOOLOGY	2505	685	27.3	1820	72.7	736	212	28.8	524	71.2
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	3373	1397	41.4	1976	58.6	1415	768	54.3	647	45.7
PSYCHOLOGY	8766	2151	24.5	6615	75.5	4994	1509	30.2	3485	69.8
SOCIAL SCIENCES	22663	6793	30.0	15870	70.0	8249	2710	32.9	5539	67.1
AGRICULTURAL ECONOMICS	1172	354	30.2	818	69.8	89	34	38.2	55	61.8
ANTHROPOLOGY	2138	553	25.9	1585	74.1	1695	510	30.1	1185	69.9
ECONOMICS (EXCEPT AGRICULTURE)	5603	1755	31.3	3848	68.7	796	293	36.8	503	63.2
GEOGRAPHY	1229	360	29.3	869	70.7	339	141	41.6	198	58.4
HISTORY AND PHILOSOPHY OF SCIENCE	1741	460	26.4	1281	73.6	581	172	29.6	409	70.4
LINGUISTICS	1039	327	31.5	712	68.5	960	345	35.9	615	64.1
POLITICAL SCIENCE	5145	1693	32.9	3452	67.1	1147	435	37.9	712	62.1
SOCIOLOGY	4169	1108	26.6	3061	73.4	2397	690	28.8	1707	71.2
SOCIOLOGY AND ANTHROPOLOGY	215	65	30.2	150	69.8	160	66	41.2	94	58.7
ALL OTHER SCIENCES, NEC	78	37	47.4	41	52.6	39	23	59.0	16	41.0

TABLE B-10. FULL-TIME GRADUATE STUDENTS IN DOCTORATE DEPARTMENTS, BY FIELD OF SCIENCE AND TYPE OF MAJOR SUPPORT, 1973

AREA AND FIELD OF SCIENCE	TOTAL		FELLOWSHIPS AND TRAINEESHIPS		RESEARCH ASSISTANTSHIPS		TEACHING ASSISTANTSHIPS		OTHER TYPES OF SUPPORT	
	NUMBER	PERCENT DISTRIBUTION	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL
TOTAL, ALL FIELDS OF SCIENCE	151609	100.0	32986	21.7	34260	22.6	39848	26.3	44535	29.4
ENGINEERING	29448	19.4	4949	16.8	9913	33.7	4508	15.3	10078	34.2
AERONAUTICAL	1112	.7	95	8.5	520	46.8	129	11.6	368	33.1
AGRICULTURAL	420	.3	80	19.0	221	52.6	34	8.1	85	20.2
CHEMICAL	2931	1.9	670	22.9	1164	39.7	547	18.7	550	18.8
CIVIL	5028	3.3	1041	20.7	1543	30.7	533	10.6	1911	38.0
ELECTRICAL	7005	4.6	959	13.7	2112	30.1	1482	21.2	2452	35.0
ENGINEERING SCIENCE	1331	.9	241	18.1	475	35.7	273	20.5	342	25.7
INDUSTRIAL	2796	1.8	316	11.3	528	18.9	331	11.8	1621	58.0
MECHANICAL	4057	2.7	548	13.5	1371	33.8	685	16.9	1453	35.8
METALLURGICAL AND MATERIALS	1609	1.1	203	12.6	978	60.8	192	11.9	236	14.7
MINING	246	.2	59	24.0	109	44.3	28	11.4	50	20.3
NUCLEAR	931	.6	238	25.6	312	33.5	115	12.4	266	28.6
PETROLEUM	179	.1	65	36.3	56	31.3	16	8.9	42	23.5
ENGINEERING, NEC	1803	1.2	434	24.1	524	29.1	143	7.9	702	38.9
PHYSICAL SCIENCES	27173	17.9	3500	12.9	8670	31.9	11122	40.9	3881	14.3
ASTRONOMY	556	.4	116	20.9	228	41.0	137	24.6	75	13.5
ATMOSPHERIC SCIENCES	814	.5	85	10.4	406	49.9	87	10.7	236	29.0
CHEMISTRY	11308	7.5	1596	14.1	2901	25.7	5993	53.0	818	7.2
GEOSCIENCES	4473	3.0	507	11.3	1212	27.1	1612	31.6	1342	30.0
OCEANOGRAPHY	1312	.9	184	14.0	736	56.1	77	5.9	315	24.0
PHYSICS	8710	5.7	1012	11.6	3187	36.6	3415	39.2	1095	12.6
MATHEMATICAL SCIENCES	11495	7.6	1501	13.1	1217	10.6	5622	48.9	3155	27.4
APPLIED MATHEMATICS	2582	1.7	280	10.8	653	25.3	584	22.6	1065	41.2
MATHEMATICS	7616	5.0	997	13.1	285	3.7	4610	60.5	1724	22.6
STATISTICS	1297	.9	224	17.3	279	21.5	428	33.0	366	28.2
LIFE SCIENCES	38704	25.5	11371	29.4	9032	23.3	8389	21.7	9912	25.6
AGRICULTURE	6118	4.0	899	14.7	2866	46.8	457	7.5	1896	31.0
ANATOMY	868	.6	365	42.1	79	9.1	209	24.1	215	24.8
BIOCHEMISTRY	3246	2.1	1331	40.4	929	28.6	508	15.7	498	17.3
BIOLOGY	4285	2.8	1117	26.1	478	11.2	1691	39.5	999	23.3
BIOMETRY AND BIOSTATISTICS	270	.2	124	45.9	30	11.1	14	5.2	102	37.8
BIOPHYSICS	701	.5	398	56.8	150	21.4	58	8.3	95	13.6
BIOSCIENCES, NEC	2894	1.4	412	19.7	286	13.7	853	40.7	543	25.9
BOTANY	2190	1.4	247	11.3	650	29.7	823	37.6	470	21.5
CELL BIOLOGY	484	.3	228	47.1	81	16.7	88	18.2	87	18.0
ECOLOGY	463	.3	70	15.8	129	29.1	108	24.4	136	30.7
ENTOMOLOGY AND PARASITOLOGY	1052	.7	165	15.7	519	49.3	123	11.7	245	23.3
GENETICS	672	.4	293	43.6	143	21.3	79	11.8	157	23.4
MICROBIOLOGY	2872	1.9	1036	36.1	511	17.8	719	25.0	606	21.1
NUTRITION	1487	1.0	298	20.0	653	43.9	106	7.1	430	28.9
PATHOLOGY	743	.5	427	57.5	65	8.7	27	3.6	224	30.1
PHARMACOLOGY	1265	.8	593	46.9	237	18.7	228	18.0	207	16.4
PHYSIOLOGY	1885	1.2	680	36.6	259	13.7	390	20.7	547	29.0
ZOOLOGY	3241	2.1	409	12.6	570	17.6	1456	44.9	806	24.9
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	4788	3.2	2268	47.8	397	8.3	452	9.4	1649	34.4
PSYCHOLOGY	13760	9.1	3960	28.8	1836	13.3	3130	22.7	4834	35.1
SOCIAL SCIENCES	30912	20.4	7656	24.8	3580	11.6	7040	22.8	12636	40.9
AGRICULTURAL ECONOMICS	1261	.8	223	17.7	628	49.8	54	4.3	356	28.2
ANTHROPOLOGY	3833	2.5	955	24.9	167	4.4	799	20.8	1912	49.4
ECONOMICS (EXCEPT AGRICULTURE)	6399	4.2	1550	24.2	911	14.2	1652	25.8	2286	35.7
GEOGRAPHY	1568	1.0	246	15.7	162	10.3	580	37.0	580	37.0
HISTORY AND PHILOSOPHY OF SCIENCE	2322	1.5	640	27.6	112	4.8	657	28.3	913	39.3
LINGUISTICS	1999	1.3	659	33.0	197	9.9	412	20.6	731	36.6
POLITICAL SCIENCE	6292	4.2	1476	23.5	447	7.1	1226	19.5	3143	50.0
SOCIOLOGY	6566	4.3	1684	25.6	851	13.0	1560	23.8	2471	37.6
SOCIOLOGY AND ANTHROPOLOGY	375	.2	97	25.9	80	21.3	95	25.3	103	27.5
ALL OTHER SCIENCES, NEC	117	.1	29	24.8	12	10.3	37	31.6	39	33.3

TABLE B-11. FIRST-YEAR FULL-TIME GRADUATE STUDENTS IN DOCTORATE DEPARTMENTS, BY FIELD OF SCIENCE AND TYPE OF MAJOR SUPPORT, 1973

AREA AND FIELD OF SCIENCE	TOTAL		FELLOWSHIPS AND TRAINEESHIPS		RESEARCH ASSISTANTSHIPS		TEACHING ASSISTANTSHIPS		OTHER TYPES OF SUPPORT	
	NUMBER	PERCENT DISTRIBUTION	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL
TOTAL, ALL FIELDS OF SCIENCE	48820	100.0	9626	19.7	8130	16.7	12483	25.6	18581	38.1
ENGINEERING	12227	25.0	2293	18.8	3012	24.6	1883	14.7	5119	41.9
AERONAUTICAL	312	.8	42	11.3	165	44.4	42	11.3	123	33.1
AGRICULTURAL	157	.3	41	26.1	74	47.1	17	10.8	25	15.9
CHEMICAL	1092	2.2	319	29.2	309	28.3	213	19.5	251	23.0
CIVIL	2656	5.4	708	26.4	551	20.7	243	9.1	1162	43.8
ELECTRICAL	3000	6.1	391	13.0	653	21.8	604	20.1	1352	45.1
ENGINEERING SCIENCE	395	.8	88	22.3	88	22.3	68	17.2	151	38.2
INDUSTRIAL	1219	2.5	133	10.8	165	13.5	124	10.2	798	65.5
MECHANICAL	1690	3.5	242	14.3	458	27.1	284	16.8	706	41.8
METALLURGICAL AND MATERIALS	504	1.0	71	14.1	259	51.0	84	16.7	92	18.3
MINING	83	.2	21	25.3	30	36.1	7	8.4	25	30.1
NUCLEAR	346	.7	95	27.5	84	24.3	52	15.0	115	33.2
PETROLEUM	73	.1	21	28.8	20	27.4	6	8.2	26	35.6
ENGINEERING, NEC	640	1.3	130	20.3	158	24.7	59	9.2	293	45.8
PHYSICAL SCIENCES	7099	14.5	947	13.3	921	13.0	3994	56.3	1237	17.4
ASTRONOMY	126	.3	37	29.4	25	19.8	34	27.0	30	23.8
ATMOSPHERIC SCIENCES	265	.5	35	13.2	106	40.0	39	14.7	85	32.1
CHEMISTRY	2924	6.0	352	12.0	130	4.4	2244	76.7	198	6.8
GEOSCIENCES	1448	3.0	186	13.0	290	20.0	492	34.0	478	33.0
OCEANOGRAPHY	325	.7	47	14.5	142	43.7	16	4.9	120	36.9
PHYSICS	2011	4.1	288	14.3	228	11.3	1169	58.1	326	16.2
MATHEMATICAL SCIENCES	3708	7.6	499	13.5	268	7.2	1613	43.5	1328	35.8
APPLIED MATHEMATICS	911	1.9	113	12.4	135	14.8	203	22.3	460	50.5
MATHEMATICS	2379	4.9	319	13.4	75	3.2	1260	53.0	725	30.5
STATISTICS	418	.9	67	16.0	58	13.9	150	35.9	143	34.2
LIFE SCIENCES	12563	25.7	2665	21.2	2379	18.9	2695	21.5	4824	38.4
AGRICULTURE	2212	4.5	285	12.9	917	41.5	147	6.6	863	39.0
ANATOMY	263	.5	77	29.3	19	7.2	57	21.7	110	41.8
BIOCHEMISTRY	830	1.7	196	23.6	213	25.7	173	20.8	248	29.9
BIOLOGY	1344	2.8	222	16.5	109	8.1	538	40.0	475	35.3
BIOMETRY AND BIOSTATISTICS	106	.2	41	38.7	14	13.2	3	2.8	48	45.3
BIOPHYSICS	152	.3	77	50.7	19	12.5	18	11.8	38	25.0
BIOSCIENCES, NEC	703	1.4	62	8.8	70	10.0	327	46.5	244	34.7
BOTANY	632	1.3	61	9.7	151	23.9	212	33.5	208	32.9
CELL BIOLOGY	126	.3	25	19.8	20	15.9	41	32.5	40	31.7
ECOLOGY	141	.3	19	13.5	32	22.7	35	24.8	55	39.0
ENTOMOLOGY AND PARASITOLOGY	282	.6	40	14.2	127	45.0	24	8.5	91	32.3
GENETICS	151	.3	40	26.5	20	13.2	22	14.6	69	45.7
MICROBIOLOGY	688	1.8	180	20.3	135	15.2	241	27.1	332	37.4
NUTRITION	498	1.0	82	16.5	176	34.1	47	9.4	199	40.0
PATHOLOGY	271	.6	136	50.2	21	7.7	8	3.0	106	39.1
PHARMACOLOGY	341	.7	79	23.2	60	17.6	96	28.2	106	31.1
PHYSIOLOGY	561	1.1	105	18.7	55	9.8	120	21.4	281	50.1
ZOOLOGY	897	1.8	78	8.7	107	11.9	435	48.5	277	30.9
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	2165	4.4	860	39.7	128	5.5	151	7.0	1034	47.8
PSYCHOLOGY	3660	7.5	941	25.7	519	14.2	782	21.4	1418	38.7
SOCIAL SCIENCES	9503	19.5	2254	23.7	1030	10.8	1578	16.6	4641	48.8
AGRICULTURAL ECONOMICS	178	.8	74	19.1	172	44.3	12	3.1	130	33.5
ANTHROPOLOGY	1084	2.2	194	18.3	39	3.7	113	10.6	717	67.5
ECONOMICS (EXCEPT AGRICULTURE)	2048	4.2	519	25.3	285	13.9	352	17.2	892	43.6
GEOGRAPHY	501	1.0	67	13.4	45	9.0	188	37.5	201	40.1
HISTORY AND PHILOSOPHY OF SCIENCE	632	1.3	172	27.2	39	6.2	141	22.3	280	44.3
LINGUISTICS	672	1.4	210	31.3	45	6.7	104	15.5	313	46.6
POLITICAL SCIENCE	2128	4.4	536	25.2	129	6.1	257	12.1	1206	56.7
SOCIOLOGY	1798	3.7	430	23.9	242	13.5	376	20.9	750	41.7
SOCIOLOGY AND ANTHROPOLOGY	131	.3	21	16.0	33	25.2	35	26.7	42	32.1
ALL OTHER SCIENCES, NEC	60	.1	27	45.0	1	1.7	18	30.0	14	23.3

TABLE B-12. FULL-TIME GRADUATE STUDENTS BEYOND THEIR FIRST YEAR IN DOCTORATE DEPARTMENTS, BY FIELD OF SCIENCE AND TYPE OF MAJOR SUPPORT, 1973

AREA AND FIELD OF SCIENCE	TOTAL		FELLOWSHIPS AND TRAINEESHIPS		RESEARCH ASSISTANTSHIPS		TEACHING ASSISTANTSHIPS		OTHER TYPES OF SUPPORT	
	NUMBER	PERCENT DISTRIBUTION	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL
TOTAL, ALL FIELDS OF SCIENCE	102709	100.0	23340	22.7	26130	25.4	27365	26.6	25954	25.2
ENGINEERING	17221	16.8	2656	15.4	6901	40.1	2705	15.7	4959	28.8
AERONAUTICAL	748	.7	53	7.2	355	48.0	87	11.8	245	33.1
AGRICULTURAL	263	.3	39	14.8	147	55.9	17	6.5	60	22.8
CHEMICAL	1839	1.8	351	19.1	855	46.5	334	18.2	299	16.3
CIVIL	2372	2.3	341	14.4	992	41.8	290	12.2	749	31.6
ELECTRICAL	4005	3.9	568	14.2	1459	36.4	878	21.9	1100	27.5
ENGINEERING SCIENCE	936	.9	153	16.3	387	41.3	205	21.9	191	20.4
INDUSTRIAL	1577	1.5	184	11.7	363	23.0	207	13.1	823	52.2
MECHANICAL	2367	2.3	306	12.9	913	38.6	401	16.9	747	31.6
METALLURGICAL AND MATERIALS	1105	1.1	132	11.9	721	65.2	108	9.8	144	13.0
MINING	163	.2	38	23.3	79	48.5	21	12.9	25	15.3
NUCLEAR	585	.6	143	24.4	228	39.0	63	10.8	151	25.8
PETROLEUM	106	.1	44	41.5	36	34.0	10	9.4	16	15.1
ENGINEERING, NEC	1163	1.1	304	26.1	366	31.5	84	7.2	409	35.2
PHYSICAL SCIENCES	20074	19.5	2553	12.7	7749	38.6	7128	35.5	2644	13.2
ASTRONOMY	430	.4	79	18.4	203	47.2	103	24.0	45	10.5
ATMOSPHERIC SCIENCES	549	.5	50	9.1	300	54.6	48	8.7	151	27.5
CHEMISTRY	8384	8.2	1244	14.8	2771	33.1	3749	44.7	620	7.4
GEOSCIENCES	3025	2.9	319	10.5	922	30.5	920	30.4	864	28.6
OCEANOGRAPHY	987	1.0	137	13.9	594	60.2	61	6.2	195	19.8
PHYSICS	6699	6.5	724	10.8	2959	44.2	2247	33.5	769	11.5
MATHEMATICAL SCIENCES	7787	7.6	1002	12.9	949	12.2	4009	51.5	1827	23.5
APPLIED MATHEMATICS	1671	1.6	167	10.0	518	31.0	381	22.8	605	36.2
MATHEMATICS	5237	5.1	678	12.9	219	4.0	3350	64.0	999	19.1
STATISTICS	879	.9	157	17.9	221	25.1	278	31.6	223	25.4
LIFE SCIENCES	26141	25.4	8706	33.3	6653	25.5	5694	21.8	5088	19.5
AGRICULTURE	3906	3.8	614	15.7	1949	49.9	310	7.9	1033	26.4
ANATOMY	605	.6	284	47.6	60	9.9	152	25.1	105	17.4
BIOCHEMISTRY	2416	2.4	1115	46.2	716	29.6	335	13.9	250	10.3
BIOLOGY	2948	2.9	895	30.4	369	12.5	1153	39.2	524	17.8
BIOMETRY AND BIOSTATISTICS	164	.2	83	50.6	16	9.8	11	6.7	54	32.9
BIOPHYSICS	549	.5	321	58.5	131	23.9	40	7.3	57	10.4
BIOSCIENCES, NEC	1391	1.4	350	25.2	216	15.5	526	37.8	299	21.5
BOTANY	1558	1.5	186	11.9	499	32.0	611	39.2	262	16.8
CELL BIOLOGY	358	.3	203	56.7	61	17.0	47	13.1	47	13.1
ECOLOGY	302	.3	51	16.9	97	32.1	73	24.2	81	26.8
ENTOMOLOGY AND PARASITOLOGY	778	.7	125	16.2	392	50.9	99	12.9	154	20.0
GENETICS	521	.5	253	48.6	123	23.6	57	10.9	88	16.9
MICROBIOLOGY	1984	1.9	856	43.1	376	19.0	478	24.1	274	13.8
NUTRITION	989	1.0	216	21.8	483	48.8	59	6.0	231	23.4
PATHOLOGY	472	.5	291	61.7	44	9.3	19	4.0	118	25.0
PHARMACOLOGY	924	.9	514	55.6	177	19.2	132	14.3	101	10.9
PHYSIOLOGY	1324	1.3	584	44.1	204	15.4	270	20.4	266	20.1
ZOOLOGY	2344	2.3	331	14.1	463	19.8	1021	43.6	529	22.6
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	2623	2.6	1430	54.5	277	10.6	301	11.5	615	23.4
PSYCHOLOGY	10100	9.8	3019	29.9	1317	13.0	2348	23.2	3416	33.8
SOCIAL SCIENCES	21409	20.8	5402	25.2	2550	11.9	5462	25.5	7995	37.3
AGRICULTURAL ECONOMICS	873	.8	149	17.1	456	52.2	42	4.8	226	25.9
ANTHROPOLOGY	2770	2.7	761	27.5	148	5.3	686	24.8	1175	42.4
ECONOMICS (EXCEPT AGRICULTURE)	4351	4.2	1031	23.7	626	14.4	1300	29.9	1394	32.0
GEOGRAPHY	1067	1.0	179	16.8	117	11.0	392	36.7	379	35.5
HISTORY AND PHILOSOPHY OF SCIENCE	1690	1.6	468	27.7	73	4.3	516	30.5	633	37.5
LINGUISTICS	1327	1.3	449	33.8	152	11.5	308	23.2	418	31.5
POLITICAL SCIENCE	4164	4.1	940	22.6	318	7.6	969	23.3	1937	46.5
SOCIOLOGY	4768	4.6	1254	26.3	609	12.8	1184	24.8	1721	36.1
SOCIOLOGY AND ANTHROPOLOGY	244	.2	76	31.1	47	19.3	60	24.6	61	25.0
ALL OTHER SCIENCES, NEC	57	.1	2	3.5	11	19.3	19	33.3	25	43.9

TABLE B-13. FULL-TIME GRADUATE STUDENTS IN DOCTORATE DEPARTMENTS, BY AREA OF SCIENCE, CITIZENSHIP, AND TYPE OF MAJOR SUPPORT, 1973

	TOTAL	FELLOWSHIPS AND TRAINEESHIPS	RESEARCH ASSISTANTSHIPS	TEACHING ASSISTANTSHIPS	OTHER TYPES OF SUPPORT
TOTAL, ALL AREAS OF SCIENCE	151609	32966	34260	39848	44535
ENGINEERING	29448	4949	9913	4588	10078
PHYSICAL SCIENCES	27173	3500	8670	11122	3881
MATHEMATICAL SCIENCES	11495	1501	1217	5622	3155
LIFE SCIENCES	38704	11371	9032	8389	9912
PSYCHOLOGY	13760	3960	1836	3130	4834
SOCIAL SCIENCES	30912	7656	3580	7040	12636
ALL OTHER SCIENCES, NEC	117	29	12	37	39
U.S. CITIZENS, TOTAL	122562	27683	25757	33204	35918
ENGINEERING	19189	3794	5895	2942	6558
PHYSICAL SCIENCES	21818	2878	6941	8769	3230
MATHEMATICAL SCIENCES	9207	1194	982	4653	2458
LIFE SCIENCES	33112	9833	7348	7586	8353
PSYCHOLOGY	13891	3869	1749	3805	4488
SOCIAL SCIENCES	26039	6107	2919	6216	10797
ALL OTHER SCIENCES, NEC	106	28	11	33	34
FOREIGN STUDENTS, TOTAL	29047	5283	8503	6644	8617
ENGINEERING	10259	1155	4018	1566	3520
PHYSICAL SCIENCES	5355	622	1729	2353	651
MATHEMATICAL SCIENCES	2288	307	315	969	697
LIFE SCIENCES	5592	1538	1692	803	1559
PSYCHOLOGY	669	111	87	125	346
SOCIAL SCIENCES	4873	1549	661	824	1839
ALL OTHER SCIENCES, NEC	11	1	1	4	5
			PERCENT DISTRIBUTION		
TOTAL, ALL AREAS OF SCIENCE	100.0	100.0	100.0	100.0	100.0
ENGINEERING	19.4	15.0	28.9	11.3	22.6
PHYSICAL SCIENCES	17.9	10.6	25.3	27.9	8.7
MATHEMATICAL SCIENCES	7.6	4.6	3.6	14.1	7.1
LIFE SCIENCES	25.5	34.5	26.4	21.1	22.3
PSYCHOLOGY	9.1	12.0	5.4	7.9	10.9
SOCIAL SCIENCES	20.4	23.2	10.4	17.7	28.4
ALL OTHER SCIENCES, NEC	.1	.1	.0	.1	.1
U.S. CITIZENS, TOTAL	80.8	84.0	75.2	83.3	80.7
ENGINEERING	12.7	11.5	17.2	7.4	14.7
PHYSICAL SCIENCES	14.4	8.7	20.3	22.0	7.3
MATHEMATICAL SCIENCES	6.1	3.6	2.6	11.7	5.5
LIFE SCIENCES	21.8	29.8	21.4	19.0	18.8
PSYCHOLOGY	8.6	11.7	5.1	7.5	10.1
SOCIAL SCIENCES	17.2	18.5	8.5	15.6	24.2
ALL OTHER SCIENCES, NEC	.1	.1	.0	.1	.1
FOREIGN STUDENTS, TOTAL	19.2	16.0	24.8	16.7	19.3
ENGINEERING	6.8	3.5	11.7	3.9	7.9
PHYSICAL SCIENCES	3.5	1.9	5.0	5.9	1.5
MATHEMATICAL SCIENCES	1.5	.9	.9	2.4	1.6
LIFE SCIENCES	3.7	4.7	4.9	2.0	3.5
PSYCHOLOGY	.4	.3	.3	.3	.8
SOCIAL SCIENCES	3.2	4.7	1.9	2.1	4.1
ALL OTHER SCIENCES, NEC	.0	.0	.0	.0	.0
			PERCENT OF TOTAL		
TOTAL, ALL AREAS OF SCIENCE	100.0	21.7	22.6	26.3	29.4
ENGINEERING	100.0	16.8	33.7	15.3	34.2
PHYSICAL SCIENCES	100.0	12.9	31.9	40.9	14.3
MATHEMATICAL SCIENCES	100.0	13.1	10.6	48.9	27.4
LIFE SCIENCES	100.0	29.4	23.3	21.7	25.6
PSYCHOLOGY	100.0	28.8	13.3	22.7	35.1
SOCIAL SCIENCES	100.0	24.8	11.6	22.8	40.9
ALL OTHER SCIENCES, NEC	100.0	24.8	10.3	31.6	33.3
U.S. CITIZENS, TOTAL	100.0	22.6	21.0	27.1	29.3
ENGINEERING	100.0	19.8	30.7	15.3	34.2
PHYSICAL SCIENCES	100.0	13.2	31.8	40.2	14.8
MATHEMATICAL SCIENCES	100.0	13.0	9.8	50.5	26.7
LIFE SCIENCES	100.0	29.7	22.2	22.9	25.2
PSYCHOLOGY	100.0	29.4	13.4	23.0	34.3
SOCIAL SCIENCES	100.0	23.5	11.2	23.9	41.5
ALL OTHER SCIENCES, NEC	100.0	26.4	10.4	31.1	32.1
FOREIGN STUDENTS, TOTAL	100.0	18.2	29.3	22.9	29.7
ENGINEERING	100.0	11.3	39.2	15.3	34.3
PHYSICAL SCIENCES	100.0	11.6	32.3	43.9	12.2
MATHEMATICAL SCIENCES	100.0	13.4	13.8	42.4	30.5
LIFE SCIENCES	100.0	27.5	30.3	14.4	27.9
PSYCHOLOGY	100.0	16.6	13.0	18.7	51.7
SOCIAL SCIENCES	100.0	31.8	13.6	16.9	37.7
ALL OTHER SCIENCES, NEC	100.0	9.1	9.1	36.4	45.5

TABLE A-14. FULL-TIME GRADUATE STUDENTS IN DOCTORATE DEPARTMENTS, BY SOURCE OF MAJOR SUPPORT AND AREA OF SCIENCE, 1973

SOURCE OF MAJOR SUPPORT	TOTAL	ENGINEERING	PHYSICAL SCIENCES	MATHEMATICAL SCIENCES	LIFE SCIENCES	PSYCHOLOGY	SOCIAL SCIENCES	ALL OTHER SCIENCES, NEC
TOTAL, ALL SOURCES OF SUPPORT	151609	29448	27173	11495	38704	13760	30912	117
ALL U.S. SOURCES, TOTAL	148163	28358	26775	11276	37683	13717	30237	117
U.S. GOVERNMENT, TOTAL	41336	10273	8750	1497	12209	3982	4596	29
ATOMIC ENERGY COMMISSION	1546	514	869	37	122	1	3	
DEPARTMENT OF DEFENSE	4202	2704	988	213	109	89	99	
DEPARTMENT OF H.E.W. TOTAL	15532	1153	1268	240	8147	2733	1963	28
NATIONAL DEFENSE ED. ACT	1686	197	298	111	325	118	636	1
NATIONAL INST. OF HEALTH	10108	679	888	115	6785	1065	574	2
OTHER H.E.W.	3738	277	82	14	1037	1550	753	25
N.A.S.A.	1224	555	569	9	72	7	12	
NATIONAL SCIENCE FOUNDATION	9514	2540	3869	746	1179	371	809	
ALL OTHER U.S. GOVT	9318	2807	1187	252	2580	781	1710	1
OTHER U.S. SOURCES	106827	18085	18025	9779	25474	9735	25641	88
INSTITUTIONAL SUPPORT	63158	8801	14126	6896	15074	5362	12850	49
SELF-SUPPORT	34109	6530	2723	2404	8032	3426	10956	38
ALL OTHER U.S. SOURCES	9560	2754	1176	479	2368	947	1835	1
FOREIGN SOURCES, TOTAL	3446	1090	398	219	1021	43	675	
SOURCE OF MAJOR SUPPORT				PERCENT DISTRIBUTION				
TOTAL, ALL SOURCES OF SUPPORT	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
ALL U.S. SOURCES, TOTAL	97.7	96.3	98.5	98.1	97.4	99.7	97.8	100.0
U.S. GOVERNMENT, TOTAL	27.3	34.9	32.2	13.0	31.5	28.9	14.9	24.8
ATOMIC ENERGY COMMISSION	1.0	1.7	3.2	.3	.3	.0	.0	
DEPARTMENT OF DEFENSE	2.8	9.2	3.6	1.9	.3	.6	.3	
DEPARTMENT OF H.E.W. TOTAL	10.2	3.9	4.7	2.1	21.0	19.9	6.4	23.9
NATIONAL DEFENSE ED. ACT	1.1	.7	1.1	1.0	.8	.9	2.1	.4
NATIONAL INST. OF HEALTH	6.7	2.3	3.3	1.0	17.5	7.7	1.9	1.7
OTHER H.E.W.	2.5	.9	.3	.1	2.7	11.3	2.4	21.4
N.A.S.A.	.8	1.9	2.1	.1	.2	.1	.0	
NATIONAL SCIENCE FOUNDATION	6.3	8.6	14.2	6.5	3.0	2.7	2.6	
ALL OTHER U.S. GOVT	6.1	9.5	4.4	2.2	6.7	5.7	5.5	.9
OTHER U.S. SOURCES	70.5	61.4	66.3	85.1	65.8	70.7	82.9	75.2
INSTITUTIONAL SUPPORT	41.7	29.9	52.0	60.0	38.9	39.0	41.6	41.9
SELF-SUPPORT	22.5	22.2	10.0	20.9	20.8	24.9	35.4	32.5
ALL OTHER U.S. SOURCES	6.3	9.4	4.3	4.2	6.1	6.9	5.9	.9
FOREIGN SOURCES, TOTAL	2.3	3.7	1.5	1.9	2.6	.3	2.2	
SOURCE OF MAJOR SUPPORT				PERCENT OF TOTAL				
TOTAL, ALL SOURCES OF SUPPORT	100.0	19.4	17.9	7.6	25.5	9.1	20.4	.1
ALL U.S. SOURCES, TOTAL	100.0	19.1	18.1	7.6	25.4	9.3	20.4	.1
U.S. GOVERNMENT, TOTAL	100.0	24.9	21.2	3.6	29.5	9.6	11.1	.1
ATOMIC ENERGY COMMISSION	100.0	33.2	56.2	2.4	7.9	.1	.2	
DEPARTMENT OF DEFENSE	100.0	64.4	23.5	5.1	2.6	2.1	2.4	
DEPARTMENT OF H.E.W. TOTAL	100.0	7.4	8.2	1.5	52.5	17.6	12.6	.2
NATIONAL DEFENSE ED. ACT	100.0	11.7	17.7	6.6	19.3	7.0	37.7	.1
NATIONAL INST. OF HEALTH	100.0	6.7	8.8	1.1	67.1	10.5	5.7	.0
OTHER H.E.W.	100.0	7.4	2.2	.4	27.7	41.5	20.1	.7
N.A.S.A.	100.0	45.3	46.5	.7	5.9	.6	1.0	
NATIONAL SCIENCE FOUNDATION	100.0	26.7	40.7	7.8	12.4	3.9	8.5	
ALL OTHER U.S. GOVT	100.0	30.1	12.7	2.7	27.7	8.4	18.4	.0
OTHER U.S. SOURCES	100.0	16.9	16.9	9.2	23.8	9.1	24.0	.1
INSTITUTIONAL SUPPORT	100.0	13.9	22.4	10.9	23.9	8.5	20.3	.1
SELF-SUPPORT	100.0	19.1	8.0	7.0	23.5	10.0	32.1	.1
ALL OTHER U.S. SOURCES	100.0	28.8	12.3	5.0	24.8	9.9	19.2	.0
FOREIGN SOURCES, TOTAL	100.0	31.6	11.5	6.4	29.6	1.2	19.6	

TABLE B-15. FIRST-YEAR FULL-TIME GRADUATE STUDENTS IN DOCTORATE DEPARTMENTS, BY SOURCE OF MAJOR SUPPORT AND AREA OF SCIENCE, 1973

SOURCE OF MAJOR SUPPORT	TOTAL	ENGINEERING	PHYSICAL SCIENCES	MATHEMATICAL SCIENCES	LIFE SCIENCES	PSYCHOLOGY	SOCIAL SCIENCES	ALL OTHER SCIENCES, NEC
TOTAL, ALL SOURCES OF SUPPORT	48820	12227	7099	3788	12563	3660	9503	80
ALL U.S. SOURCES, TOTAL	47388	11680	6968	3627	12158	3656	9269	80
U.S. GOVERNMENT, TOTAL	9140	3371	1869	356	2323	925	1092	26
ATOMIC ENERGY COMMISSION	226	153	55	3	15			
DEPARTMENT OF DEFENSE	1283	950	172	49	35	19	49	
DEPARTMENT OF H.E.W. TOTAL	2567	274	57	28	1220	670	292	25
NATIONAL DEFENSE ED. ACT	152	12	13	7	23	9	88	
NATIONAL INST. OF HEALTH	1395	114	27	19	917	261	57	
OTHER H.E.W.	1020	149	17	2	280	400	147	25
N.A.S.A.	384	171	97	5	25	3	3	
NATIONAL SCIENCE FOUNDATION	1804	691	433	187	260	73	160	
ALL OTHER U.S. GOVT	2956	1122	235	82	768	160	588	1
OTHER U.S. SOURCES	38248	8309	5019	3273	9827	2729	8157	54
INSTITUTIONAL SUPPORT	20410	3684	4783	2057	4948	1376	3542	20
SELF-SUPPORT	14870	3465	896	1061	4103	1212	4120	13
ALL OTHER U.S. SOURCES	2968	1160	260	155	776	141	495	1
FOREIGN SOURCES, TOTAL	1432	547	131	81	413	6	254	
SOURCE OF MAJOR SUPPORT				PERCENT DISTRIBUTION				
TOTAL, ALL SOURCES OF SUPPORT	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
ALL U.S. SOURCES, TOTAL	97.1	95.5	98.2	97.8	96.7	99.8	97.3	100.0
U.S. GOVERNMENT, TOTAL	18.7	27.6	14.8	9.5	18.5	25.3	11.5	43.3
ATOMIC ENERGY COMMISSION	.5	1.3	.8	.1	.1			
DEPARTMENT OF DEFENSE	2.6	7.8	2.4	1.3	.3	.5	.5	
DEPARTMENT OF H.E.W. TOTAL	5.3	2.2	.8	.8	9.7	18.3	3.1	41.7
NATIONAL DEFENSE ED. ACT	.3	.1	.2	.2	.2	.2	.9	
NATIONAL INST. OF HEALTH	2.9	.9	.4	.5	7.3	7.1	.6	
OTHER H.E.W.	2.1	1.2	.2	.1	2.2	10.9	1.5	41.7
N.A.S.A.	.6	1.4	1.4	.1	.2	.1	.0	
NATIONAL SCIENCE FOUNDATION	3.7	5.7	6.1	5.0	2.1	2.0	1.7	
ALL OTHER U.S. GOVT	6.1	9.2	3.3	2.2	6.1	4.4	6.2	1.7
OTHER U.S. SOURCES	78.3	68.0	83.4	88.3	78.2	74.6	85.8	56.7
INSTITUTIONAL SUPPORT	41.8	30.1	67.4	55.5	39.4	37.6	37.3	33.3
SELF-SUPPORT	30.5	28.3	12.6	28.6	32.7	33.1	43.4	21.7
ALL OTHER U.S. SOURCES	6.1	9.5	3.4	4.2	6.2	3.9	5.2	1.7
FOREIGN SOURCES, TOTAL	2.9	4.5	1.8	2.2	3.3	.2	2.7	
SOURCE OF MAJOR SUPPORT				PERCENT OF TOTAL				
TOTAL, ALL SOURCES OF SUPPORT	100.0	25.0	14.5	7.8	25.7	7.5	19.5	.1
ALL U.S. SOURCES, TOTAL	100.0	24.6	14.7	7.7	25.6	7.7	19.5	.1
U.S. GOVERNMENT, TOTAL	100.0	36.9	11.5	3.9	25.4	10.1	11.9	.3
ATOMIC ENERGY COMMISSION	100.0	67.7	24.3	1.3	6.6			
DEPARTMENT OF DEFENSE	100.0	74.7	13.4	3.8	2.7	1.5	3.8	
DEPARTMENT OF H.E.W. TOTAL	100.0	10.7	2.2	1.1	47.5	26.1	11.4	1.0
NATIONAL DEFENSE ED. ACT	100.0	7.9	8.6	4.6	15.1	5.9	57.9	
NATIONAL INST. OF HEALTH	100.0	8.2	1.9	1.4	65.7	18.7	4.1	
OTHER H.E.W.	100.0	14.6	1.7	.2	27.5	39.2	14.4	2.5
N.A.S.A.	100.0	56.3	31.9	1.6	8.2	1.0	1.0	
NATIONAL SCIENCE FOUNDATION	100.0	38.3	24.0	10.4	14.4	4.0	8.9	
ALL OTHER U.S. GOVT	100.0	38.0	7.9	2.8	26.0	5.4	19.9	.0
OTHER U.S. SOURCES	100.0	21.7	15.5	8.6	25.7	7.1	21.3	.1
INSTITUTIONAL SUPPORT	100.0	18.0	23.4	10.1	24.2	6.7	17.4	.1
SELF-SUPPORT	100.0	23.3	6.0	7.1	27.6	8.2	27.7	.1
ALL OTHER U.S. SOURCES	100.0	39.1	8.8	5.2	26.1	4.8	16.7	.0
FOREIGN SOURCES, TOTAL	100.0	38.2	9.1	5.7	28.8	.4	17.7	

TABLE B-16. FULL-TIME GRADUATE STUDENTS BEYOND THEIR FIRST YEAR IN DOCTORATE DEPARTMENTS, BY SOURCE OF MAJOR SUPPORT AND AREA OF SCIENCE, 1973

SOURCE OF MAJOR SUPPORT	TOTAL	ENGI-NEERING	PHYSICAL SCIENCES	MATHE-MATICAL SCIENCES	LIFE SCIENCES	PSYCHOLOGY	SOCIAL SCIENCES	ALL OTHER SCIENCES, NEC
TOTAL, ALL SOURCES OF SUPPORT	102789	17221	20074	7787	26[illegible]	10186	21409	57
ALL U.S. SOURCES, TOTAL	100775	16678	19807	7649	25533	10061	20987	57
U.S. GOVERNMENT, TOTAL	32196	6982	7701	1143	9886	3857	3604	[illegible]
ATOMIC ENERGY COMMISSION	1328	361	814	34	107	1	3	
DEPARTMENT OF DEFENSE	2919	1745	816	164	74	78	50	
DEPARTMENT OF H.E.W. TOTAL	12965	874	1211	212	6927	2063	1671	3
NATIONAL DEFENSE ED. ACT	1534	185	285	134	302	189	548	1
NATIONAL INST. OF HEALTH	8713	565	867	96	5868	804	517	2
OTHER H.E.W.	2718	124	65	12	757	1150	606	
N.A.S.A.	928	384	472	4	47	4	9	
NATIONAL SCIENCE FOUNDATION	7710	1849	3436	559	919	298	649	
ALL OTHER U.S. GOVT	6362	1685	972	170	1812	621	1122	
OTHER U.S. SOURCES	68579	9774	12106	6506	15647	7006	17484	54
INSTITUTIONAL SUPPORT	42748	5117	9343	4839	10128	3986	9388	29
SELF-SUPPORT	19239	3065	1827	1343	3929	2214	6836	25
ALL OTHER U.S. SOURCES	6592	1591	936	324	1592	806	1340	
FOREIGN SOURCES, TOTAL	2014	543	267	138	608	37	421	
SOURCE OF MAJOR SUPPORT	PERCENT DISTRIBUTION							
TOTAL, ALL SOURCES OF SUPPORT	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
ALL U.S. SOURCES, TOTAL	98.0	96.8	98.7	98.2	97.7	99.6	98.0	100.0
U.S. GOVERNMENT, TOTAL	31.3	40.1	38.4	14.7	37.8	38.3	16.4	5.3
ATOMIC ENERGY COMMISSION	1.3	2.1	4.1	.4	.4	.0	.0	
DEPARTMENT OF DEFENSE	2.8	10.1	4.1	2.1	.3	.7	.2	
DEPARTMENT OF H.E.W. TOTAL	12.6	5.1	6.0	2.7	26.5	20.4	7.8	5.3
NATIONAL DEFENSE ED. ACT	1.5	1.1	1.4	1.3	1.2	1.1	2.6	1.8
NATIONAL INST. OF HEALTH	8.5	3.3	4.3	1.2	22.4	8.0	2.4	3.5
OTHER H.E.W.	2.6	.7	.3	.2	2.9	11.4	2.8	
N.A.S.A.	.9	2.2	2.4	.1	.2	.0	.0	
NATIONAL SCIENCE FOUNDATION	7.5	10.7	17.1	7.2	3.5	3.0	3.0	
ALL OTHER U.S. GOVT	6.2	9.8	4.7	2.2	6.9	6.1	5.2	
OTHER U.S. SOURCES	66.7	56.8	60.3	83.5	59.9	69.4	81.7	94.7
INSTITUTIONAL SUPPORT	41.6	29.7	46.5	62.1	38.7	39.5	43.5	50.9
SELF-SUPPORT	18.7	17.8	9.1	17.2	15.0	21.9	31.9	43.9
ALL OTHER U.S. SOURCES	6.4	9.3	4.7	4.2	6.1	8.0	6.3	
FOREIGN SOURCES, TOTAL	2.0	3.2	1.3	1.8	2.3	.4	2.0	
SOURCE OF MAJOR SUPPORT	PERCENT OF TOTAL							
TOTAL, ALL SOURCES OF SUPPORT	100.0	16.8	19.5	7.6	25.4	9.8	20.8	.1
ALL U.S. SOURCES, TOTAL	100.0	16.5	19.7	7.6	25.3	10.0	20.8	.1
U.S. GOVERNMENT, TOTAL	100.0	21.6	23.9	3.6	30.7	9.5	10.9	.0
ATOMIC ENERGY COMMISSION	100.0	27.1	61.7	2.6	8.1	.1	.2	
DEPARTMENT OF DEFENSE	100.0	59.8	28.0	5.6	2.5	2.4	1.7	
DEPARTMENT OF H.E.W. TOTAL	100.0	6.8	9.3	1.6	53.4	15.9	12.9	.0
NATIONAL DEFENSE ED. ACT	100.0	12.1	18.6	8.8	19.7	7.1	35.7	.1
NATIONAL INST. OF HEALTH	100.0	6.5	9.9	1.1	67.3	9.2	5.9	.0
OTHER H.E.W.	100.0	4.7	2.4	.4	27.9	42.3	22.3	
N.A.S.A.	100.0	41.7	51.3	.4	5.1	.4	1.0	
NATIONAL SCIENCE FOUNDATION	100.0	24.0	44.6	7.3	11.9	3.9	8.4	
ALL OTHER U.S. GOVT	100.0	26.5	15.0	2.7	28.5	9.8	17.6	
OTHER U.S. SOURCES	100.0	14.3	17.7	9.5	22.8	10.2	25.5	.1
INSTITUTIONAL SUPPORT	100.0	12.0	21.9	11.3	23.7	9.3	21.8	.1
SELF-SUPPORT	100.0	15.9	9.5	7.0	20.4	11.5	35.5	.1
ALL OTHER U.S. SOURCES	100.0	24.2	14.2	4.9	24.2	12.2	20.3	
FOREIGN SOURCES, TOTAL	100.0	27.0	13.3	6.9	30.2	1.8	20.9	

TABLE B-17. FULL-TIME GRADUATE STUDENTS IN DOCTORATE DEPARTMENTS, BY SOURCE OF MAJOR SUPPORT, AREA OF SCIENCE AND SEX OF STUDENT, 1973

SOURCE OF MAJOR SUPPORT	TOTAL	ENGI-NEERING	PHYSICAL SCIENCES	MATHE-MATICAL SCIENCES	LIFE SCIENCES	PSYCHOLOGY	SOCIAL SCIENCES	ALL OTHER SCIENCES, NEC
TOTAL, ALL SOURCES OF SUPPORT	151609	29449	27173	11495	38704	13760	30912	117
ALL U.S. SOURCES, TOTAL	148163	28358	26775	11276	37683	13710	30237	117
U.S. GOVERNMENT, TOTAL	41336	10273	8758	1497	12289	3982	4596	29
ATOMIC ENERGY COMMISSION	1546	514	869	37	122	1	3	
DEPARTMENT OF DEFENSE	4202	2784	988	213	109	89	99	
DEPARTMENT OF H.E.W. TOTAL	15532	1153	1268	240	8147	2733	1963	28
NATIONAL DEFENSE ED. ACT	1686	167	298	111	325	118	636	1
NATIONAL INST. OF HEALTH	10108	679	888	113	6785	1065	574	4
OTHER H.E.W.	3738	277	82	14	1037	1550	753	25
N.A.S.A.	1224	555	569	9	72	7	12	
NATIONAL SCIENCE FOUNDATION	9514	2540	3869	746	1179	371	809	
ALL OTHER U.S. GOVT	9318	2807	2187	252	2580	781	1710	1
OTHER U.S. SOURCES	106827	18085	18025	9779	25474	9735	25641	88
INSTITUTIONAL SUPPORT	63158	8881	14126	6876	15074	5362	12850	49
SELF-SUPPORT	34109	6538	2723	2484	8032	3426	10956	38
ALL OTHER U.S. SOURCES	9560	2754	1176	479	2368	947	1835	1
FOREIGN SOURCES, TOTAL	3446	1060	398	219	1021	43	675	
SOURCE OF MAJOR SUPPORT				MEN				
TOTAL, ALL SOURCES OF SUPPORT	122905	28621	24173	9432	29172	8766	22663	78
ALL U.S. SOURCES, TOTAL	119765	27557	23883	9242	28268	8748	22877	78
U.S. GOVERNMENT, TOTAL	34486	10019	8038	1305	9210	2569	3329	16
ATOMIC ENERGY COMMISSION	1444	499	817	32	93	1	2	
DEPARTMENT OF DEFENSE	4062	2667	931	198	102	75	89	
DEPARTMENT OF H.E.W. TOTAL	11160	1095	1099	204	5780	1711	1256	15
NATIONAL DEFENSE ED. ACT	1337	191	258	95	243	74	476	
NATIONAL INST. OF HEALTH	7435	641	768	98	4910	673	343	2
OTHER H.E.W.	2388	263	73	11	627	964	437	13
N.A.S.A.	1175	546	543	7	62	5	12	
NATIONAL SCIENCE FOUNDATION	8414	2476	3547	644	917	238	592	
ALL OTHER U.S. GOVT	8231	2736	1101	220	2256	539	1378	1
OTHER U.S. SOURCES	85279	17538	15765	7937	19058	6171	18748	62
INSTITUTIONAL SUPPORT	50788	8562	12280	5599	11356	3444	9513	34
SELF-SUPPORT	26475	6300	2409	1940	5812	2099	7888	27
ALL OTHER U.S. SOURCES	8016	2676	1076	398	1890	628	1347	1
FOREIGN SOURCES, TOTAL	3140	1064	370	190	904	26	586	
SOURCE OF MAJOR SUPPORT				WOMEN				
TOTAL, ALL SOURCES OF SUPPORT	28704	827	3000	2063	9532	4994	8249	39
ALL U.S. SOURCES, TOTAL	28398	801	2972	2034	9415	4977	8160	39
U.S. GOVERNMENT, TOTAL	6850	254	712	192	2999	1413	1267	13
ATOMIC ENERGY COMMISSION	102	15	52	5	29		1	
DEPARTMENT OF DEFENSE	140	37	57	15	7	14	10	
DEPARTMENT OF H.E.W. TOTAL	4372	58	169	36	2367	1022	707	13
NATIONAL DEFENSE ED. ACT	349	6	40	16	82	44	160	1
NATIONAL INST. OF HEALTH	2673	38	120	17	1875	392	231	
OTHER H.E.W.	1350	14	9	3	410	586	316	12
N.A.S.A.	49	9	26	2	10	2		
NATIONAL SCIENCE FOUNDATION	1100	64	322	102	262	133	217	
ALL OTHER U.S. GOVT	1087	71	86	32	324	242	332	
OTHER U.S. SOURCES	21548	547	2260	1842	6416	3564	6893	26
INSTITUTIONAL SUPPORT	12370	319	1846	1297	3718	1918	3337	15
SELF-SUPPORT	7634	230	314	464	2220	1327	3068	11
ALL OTHER U.S. SOURCES	1544	78	100	81	478	319	488	
FOREIGN SOURCES, TOTAL	306	26	28	29	117	17	89	

TABLE B-18. FULL-TIME GRADUATE STUDENTS IN DOCTORATE DEPARTMENTS, BY SOURCE AND TYPE OF MAJOR SUPPORT, 1973

SOURCE OF MAJOR SUPPORT	TOTAL	FELLOWSHIPS AND TRAINEESHIPS	RESEARCH ASSISTANTSHIPS	TEACHING ASSISTANTSHIPS	OTHER TYPES OF SUPPORT
TOTAL, ALL SOURCES OF SUPPORT	151609	32966	34260	39844	44535
ALL U.S. SOURCES, TOTAL	148163	30882	34127	39844	43384
U.S. GOVERNMENT, TOTAL	41336	17558	20871	279	2628
ATOMIC ENERGY COMMISSION	1546	176	1322		48
DEPARTMENT OF DEFENSE	4202	261	2358		1583
DEPARTMENT OF H.E.W. TOTAL	15532	11565	3698	178	149
NATIONAL DEFENSE ED. ACT	1686	1640	37		9
NATIONAL INST. OF HEALTH	10188	7024	2936	58	90
OTHER H.E.W.	3738	2901	725	78	42
N.A.S.A.	1224	56	1132		36
NATIONAL SCIENCE FOUNDATION	9514	2509	6821	72	112
ALL OTHER U.S. GOVT	9318	2993	4740	87	1498
OTHER U.S. SOURCES	106827	13322	14056	39569	39880
INSTITUTIONAL SUPPORT	63158	9562	11054	39314	3228
SELF-SUPPORT	34109				34109
ALL OTHER U.S. SOURCES	9568	3760	3002	255	2543
FOREIGN SOURCES, TOTAL	3446	2084	133		1229
SOURCE OF MAJOR SUPPORT			PERCENT DISTRIBUTION		
TOTAL, ALL SOURCES OF SUPPORT	100.0	100.0	100.0	100.0	100.0
ALL U.S. SOURCES, TOTAL	97.7	93.7	99.6	100.0	97.2
U.S. GOVERNMENT, TOTAL	27.3	53.3	58.6	.7	7.7
ATOMIC ENERGY COMMISSION	1.0	.5	3.9		.1
DEPARTMENT OF DEFENSE	2.8	.8	6.9		3.6
DEPARTMENT OF H.E.W. TOTAL	10.2	35.1	10.8	.3	.3
NATIONAL DEFENSE ED. ACT	1.1	5.0	.1		.0
NATIONAL INST. OF HEALTH	6.7	21.3	8.6	.1	.2
OTHER H.E.W.	2.5	8.8	2.1	.2	.1
N.A.S.A.	.8	.2	3.3		.1
NATIONAL SCIENCE FOUNDATION	6.3	7.6	19.9	.2	.3
ALL OTHER U.S. GOVT	6.1	9.1	13.8	.2	3.4
OTHER U.S. SOURCES	70.5	40.4	41.0	99.3	89.5
INSTITUTIONAL SUPPORT	41.7	29.0	32.3	98.7	7.2
SELF-SUPPORT	22.5				76.6
ALL OTHER U.S. SOURCES	6.3	11.4	8.8	.6	5.7
FOREIGN SOURCES, TOTAL	2.3	6.3	.4		2.8
SOURCE OF MAJOR SUPPORT			PERCENT OF TOTAL		
TOTAL, ALL SOURCES OF SUPPORT	100.0	21.7	22.6	26.3	29.4
ALL U.S. SOURCES, TOTAL	100.0	20.8	23.0	26.9	29.2
U.S. GOVERNMENT, TOTAL	100.0	42.5	48.6	.7	8.3
ATOMIC ENERGY COMMISSION	100.0	11.4	85.5		3.1
DEPARTMENT OF DEFENSE	100.0	6.2	56.1		37.7
DEPARTMENT OF H.E.W. TOTAL	100.0	74.5	23.8	.8	1.0
NATIONAL DEFENSE ED. ACT	100.0	97.3	2.2		.5
NATIONAL INST. OF HEALTH	100.0	69.5	29.0	.5	1.0
OTHER H.E.W.	100.0	77.6	19.4	1.9	1.1
N.A.S.A.	100.0	4.6	92.5		2.9
NATIONAL SCIENCE FOUNDATION	100.0	26.4	71.7	.8	1.2
ALL OTHER U.S. GOVT	100.0	32.1	50.9	.9	16.1
OTHER U.S. SOURCES	100.0	12.5	13.2	37.0	37.3
INSTITUTIONAL SUPPORT	100.0	15.1	17.5	62.2	5.1
SELF-SUPPORT	100.0				100.0
ALL OTHER U.S. SOURCES	100.0	39.3	31.4	2.7	26.6
FOREIGN SOURCES, TOTAL	100.0	60.5	3.9		35.7

TABLE B-19. FIRST-YEAR FULL-TIME GRADUATE STUDENTS IN DOCTORATE DEPARTMENTS, BY SOURCE AND TYPE OF MAJOR SUPPORT, 1973

SOURCE OF MAJOR SUPPORT	TOTAL	FELLOWSHIPS AND TRAINEESHIPS	RESEARCH ASSISTANTSHIPS	TEACHING ASSISTANTSHIPS	OTHER TYPES OF SUPPORT
TOTAL, ALL SOURCES OF SUPPORT	48828	9626	8138	12483	18581
ALL U.S. SOURCES, TOTAL	47388	8819	8083	12483	18003
U.S. GOVERNMENT, TOTAL	9140	3885	3982	89	1284
ATOMIC ENERGY COMMISSION	226	45	150		31
DEPARTMENT OF DEFENSE	1293	172	506		615
DEPARTMENT OF H.E.W. TOTAL	2567	1800	689	36	42
NATIONAL DEFENSE ED. ACT	152	144	7		1
NATIONAL INST. OF HEALTH	1375	831	515	14	35
OTHER H.E.W.	1020	825	167	22	6
N.A.S.A.	304	17	277		10
NATIONAL SCIENCE FOUNDATION	1884	623	1135	20	26
ALL OTHER U.S. GOVT	2956	1268	1105	33	550
OTHER U.S. SOURCES	38248	4934	4181	12394	16739
INSTITUTIONAL SUPPORT	20418	3802	3244	12306	1058
SELF-SUPPORT	14870				14870
ALL OTHER U.S. SOURCES	2960	1132	937	88	811
FOREIGN SOURCES, TOTAL	1432	807	47		579
SOURCE OF MAJOR SUPPORT			PERCENT DISTRIBUTION		
TOTAL, ALL SOURCES OF SUPPORT	100.0	100.0	100.0	100.0	100.0
ALL U.S. SOURCES, TOTAL	97.1	91.6	99.4	100.0	96.9
U.S. GOVERNMENT, TOTAL	18.7	40.4	48.0	.7	6.8
ATOMIC ENERGY COMMISSION	.5	.6	1.8		.1
DEPARTMENT OF DEFENSE	2.6	1.3	6.7		3.3
DEPARTMENT OF H.E.W. TOTAL	5.3	18.7	8.5	.3	.2
NATIONAL DEFENSE ED. ACT	.3	1.5	.1		.0
NATIONAL INST. OF HEALTH	2.9	8.6	6.3	.1	.2
OTHER H.E.W.	2.1	8.6	2.1	.2	.0
N.A.S.A.	.6	.2	3.4		.1
NATIONAL SCIENCE FOUNDATION	3.7	6.5	14.0	.2	.1
ALL OTHER U.S. GOVT	6.1	13.2	13.6	.3	3.0
OTHER U.S. SOURCES	78.3	51.3	51.4	99.3	90.1
INSTITUTIONAL SUPPORT	41.8	39.5	39.9	98.6	5.7
SELF-SUPPORT	30.5				80.0
ALL OTHER U.S. SOURCES	6.1	11.8	11.5	.7	4.4
FOREIGN SOURCES, TOTAL	2.9	8.4	.6		3.1
SOURCE OF MAJOR SUPPORT			PERCENT OF TOTAL		
TOTAL, ALL SOURCES OF SUPPORT	100.0	19.7	16.7	25.6	38.1
ALL U.S. SOURCES, TOTAL	100.0	18.6	17.1	26.3	38.0
U.S. GOVERNMENT, TOTAL	100.0	42.5	42.7	1.0	13.8
ATOMIC ENERGY COMMISSION	100.0	24.3	66.4		9.3
DEPARTMENT OF DEFENSE	100.0	9.5	42.6		47.7
DEPARTMENT OF H.E.W. TOTAL	100.0	70.1	26.8	1.4	1.6
NATIONAL DEFENSE ED. ACT	100.0	94.7	4.6		.7
NATIONAL INST. OF HEALTH	100.0	59.6	36.9	1.0	2.5
OTHER H.E.W.	100.0	80.9	16.4	2.2	.6
N.A.S.A.	100.0	5.6	91.1		3.3
NATIONAL SCIENCE FOUNDATION	100.0	34.5	62.9	1.1	1.4
ALL OTHER U.S. GOVT	100.0	42.9	37.4	1.1	18.6
OTHER U.S. SOURCES	100.0	12.9	10.9	32.4	43.8
INSTITUTIONAL SUPPORT	100.0	18.6	15.9	60.3	5.2
SELF-SUPPORT	100.0				100.0
ALL OTHER U.S. SOURCES	100.0	38.1	31.6	3.0	27.3
FOREIGN SOURCES, TOTAL	100.0	56.4	3.3		40.4

TABLE B-20. FULL-TIME GRADUATE STUDENTS BEYOND THEIR FIRST YEAR IN DOCTORATE DEPARTMENTS, BY SOURCE AND TYPE OF MAJOR SUPPORT, 1973

SOURCE OF MAJOR SUPPORT	TOTAL	FELLOWSHIPS AND TRAINEESHIPS	RESEARCH ASSISTANTSHIPS	TEACHING ASSISTANTSHIPS	OTHER TYPES OF SUPPORT
TOTAL, ALL SOURCES OF SUPPORT	102789	23348	26130	27365	25954
ALL U.S. SOURCES, TOTAL	100775	22043	26044	27365	25303
U.S. GOVERNMENT, TOTAL	32196	13675	16169	190	2162
ATOMIC ENERGY COMMISSION	1320	121	1172		27
DEPARTMENT OF DEFENSE	2919	139	1812		968
DEPARTMENT OF H.E.W. TOTAL	12965	9765	3009	84	107
NATIONAL DEFENSE ED. ACT	1534	1496	30		8
NATIONAL INST. OF HEALTH	8713	6193	2421	36	63
OTHER H.E.W.	2718	2076	558	48	36
N.A.S.A.	928	99	855		26
NATIONAL SCIENCE FOUNDATION	7718	1986	5686	52	86
ALL OTHER U.S. GOVT	6362	1725	3635	54	948
OTHER U.S. SOURCES	68579	8348	9875	27175	23141
INSTITUTIONAL SUPPORT	42746	5768	7940	27088	2170
SELF-SUPPORT	19239				19239
ALL OTHER U.S. SOURCES	6592	2628	2065	147	1732
FOREIGN SOURCES, TOTAL	2014	1277	86		651
SOURCE OF MAJOR SUPPORT			PERCENT DISTRIBUTION		
TOTAL, ALL SOURCES OF SUPPORT	100.0	100.0	100.0	100.0	100.0
ALL U.S. SOURCES, TOTAL	98.0	94.5	99.7	100.0	97.5
U.S. GOVERNMENT, TOTAL	31.3	58.6	61.9	.7	8.3
ATOMIC ENERGY COMMISSION	1.3	.5	4.5		.1
DEPARTMENT OF DEFENSE	2.8	.6	6.9		3.7
DEPARTMENT OF H.E.W. TOTAL	12.6	41.8	11.5	.3	.4
NATIONAL DEFENSE ED. ACT	1.5	6.4	.1		.0
NATIONAL INST. OF HEALTH	8.5	26.5	9.3	.1	.2
OTHER H.E.W.	2.6	8.9	2.1	.2	.1
N.A.S.A.	.9	.2	3.3		.1
NATIONAL SCIENCE FOUNDATION	7.5	8.1	21.8	.2	.3
ALL OTHER U.S. GOVT	6.2	7.4	13.9	.2	3.7
OTHER U.S. SOURCES	66.7	35.9	37.8	99.3	89.2
INSTITUTIONAL SUPPORT	41.6	24.7	29.9	98.7	8.4
SELF-SUPPORT	18.7				74.1
ALL OTHER U.S. SOURCES	6.4	11.3	7.9	.6	6.7
FOREIGN SOURCES, TOTAL	2.0	5.5	.3		2.5
SOURCE OF MAJOR SUPPORT			PERCENT OF TOTAL		
TOTAL, ALL SOURCES OF SUPPORT	100.0	22.7	25.4	26.6	25.2
ALL U.S. SOURCES, TOTAL	100.0	21.9	25.8	27.2	25.1
U.S. GOVERNMENT, TOTAL	100.0	42.5	50.2	.6	6.7
ATOMIC ENERGY COMMISSION	100.0	9.2	88.8		2.0
DEPARTMENT OF DEFENSE	100.0	4.8	62.1		33.2
DEPARTMENT OF H.E.W. TOTAL	100.0	75.3	23.2	.6	.8
NATIONAL DEFENSE ED. ACT	100.0	97.5	2.0		.5
NATIONAL INST. OF HEALTH	100.0	71.1	27.8	.4	.7
OTHER H.E.W.	100.0	76.4	20.6	1.8	1.3
N.A.S.A.	100.0	4.2	92.9		2.8
NATIONAL SCIENCE FOUNDATION	100.0	24.5	73.7	.7	1.1
ALL OTHER U.S. GOVT	100.0	27.1	57.1	.8	14.9
OTHER U.S. SOURCES	100.0	12.2	14.4	39.6	33.7
INSTITUTIONAL SUPPORT	100.0	13.5	18.3	63.2	5.1
SELF-SUPPORT	100.0				100.0
ALL OTHER U.S. SOURCES	100.0	39.9	31.3	2.5	26.3
FOREIGN SOURCES, TOTAL	100.0	63.4	4.3		32.3

TABLE B-21. FULL-TIME GRADUATE STUDENTS IN DOCTORATE DEPARTMENTS OF PUBLICLY CONTROLLED INSTITUTIONS, BY SOURCE AND TYPE OF MAJOR SUPPORT, 1973

SOURCE OF MAJOR SUPPORT	TOTAL	FELLOWSHIPS AND TRAINEESHIPS	RESEARCH ASSISTANTSHIPS	TEACHING ASSISTANTSHIPS	OTHER TYPES OF SUPPORT
TOTAL, ALL SOURCES OF SUPPORT	109843	18700	25979	32165	32999
ALL U.S. SOURCES, TOTAL	107671	17436	25866	32165	32204
U.S. GOVERNMENT, TOTAL	27868	10945	13828	236	2849
ATOMIC ENERGY COMMISSION	1106	124	939		43
DEPARTMENT OF DEFENSE	2911	141	1325		1405
DEPARTMENT OF H.E.W. TOTAL	16118	7163	2732	107	116
NATIONAL DEFENSE ED. ACT	1092	1058	28		6
NATIONAL INST. OF HEALTH	6523	4289	2116	44	74
OTHER H.E.W.	2503	1816	588	63	36
N.A.S.A.	749	41	676		32
NATIONAL SCIENCE FOUNDATION	5609	1226	4276	49	58
ALL OTHER U.S. GOVT	7375	2220	3880	80	1195
OTHER U.S. SOURCES	79803	6491	12038	31929	29345
INSTITUTIONAL SUPPORT	48366	4391	9693	31740	2542
SELF-SUPPORT	25092				25092
ALL OTHER U.S. SOURCES	6345	2090	2345	189	1721
FOREIGN SOURCES, TOTAL	2172	1264	113		795
SOURCE OF MAJOR SUPPORT			PERCENT DISTRIBUTION		
TOTAL, ALL SOURCES OF SUPPORT	100.0	100.0	100.0	100.0	100.0
ALL U.S. SOURCES, TOTAL	98.0	93.2	99.6	100.0	97.6
U.S. GOVERNMENT, TOTAL	25.4	58.6	53.2	.7	8.6
ATOMIC ENERGY COMMISSION	1.0	.7	3.6		.1
DEPARTMENT OF DEFENSE	2.7	1.0	5.1		4.3
DEPARTMENT OF H.E.W. TOTAL	9.2	38.3	10.5	.3	.4
NATIONAL DEFENSE ED. ACT	1.0	5.7	.1		.0
NATIONAL INST. OF HEALTH	5.9	22.9	8.1	.1	.2
OTHER H.E.W.	2.3	9.7	2.3	.2	.1
N.A.S.A.	.7	.2	2.6		.1
NATIONAL SCIENCE FOUNDATION	5.1	6.6	16.5	.2	.2
ALL OTHER U.S. GOVT	6.7	11.9	14.9	.2	3.6
OTHER U.S. SOURCES	72.7	34.7	46.3	99.3	89.0
INSTITUTIONAL SUPPORT	44.0	23.5	37.3	98.7	7.7
SELF-SUPPORT	22.8				76.0
ALL OTHER U.S. SOURCES	5.8	11.2	9.0	.6	5.2
FOREIGN SOURCES, TOTAL	2.0	6.8	.4		2.4
SOURCE OF MAJOR SUPPORT			PERCENT OF TOTAL		
TOTAL, ALL SOURCES OF SUPPORT	100.0	17.0	23.7	29.3	30.0
ALL U.S. SOURCES, TOTAL	100.0	16.2	24.0	29.9	29.9
U.S. GOVERNMENT, TOTAL	100.0	39.3	49.6	.8	10.2
ATOMIC ENERGY COMMISSION	100.0	11.2	84.9		3.9
DEPARTMENT OF DEFENSE	100.0	4.8	45.5		48.3
DEPARTMENT OF H.E.W. TOTAL	100.0	70.8	27.0	1.1	1.1
NATIONAL DEFENSE ED. ACT	100.0	96.9	2.6		.5
NATIONAL INST. OF HEALTH	100.0	65.8	32.4	.7	1.1
OTHER H.E.W.	100.0	72.6	23.5	2.5	1.4
N.A.S.A.	100.0	5.5	90.3		4.3
NATIONAL SCIENCE FOUNDATION	100.0	21.9	76.2	.9	1.0
ALL OTHER U.S. GOVT	100.0	30.1	52.6	1.1	16.2
OTHER U.S. SOURCES	100.0	8.1	15.1	40.0	36.8
INSTITUTIONAL SUPPORT	100.0	9.1	20.0	65.6	5.3
SELF-SUPPORT	100.0				100.0
ALL OTHER U.S. SOURCES	100.0	33.0	37.0	3.0	27.1
FOREIGN SOURCES, TOTAL	100.0	58.2	5.2		36.6

TABLE B-22. FIRST-YEAR FULL-TIME GRADUATE STUDENTS IN DOCTORATE DEPARTMENTS OF PUBLICLY CONTROLLED INSTITUTIONS, BY SOURCE AND TYPE OF MAJOR SUPPORT, 1973

SOURCE OF MAJOR SUPPORT	TOTAL	FELLOWSHIPS AND TRAINEESHIPS	RESEARCH ASSISTANTSHIPS	TEACHING ASSISTANTSHIPS	OTHER TYPES OF SUPPORT
TOTAL, ALL SOURCES OF SUPPORT	35699	5311	6455	10052	13661
ALL U.S. SOURCES, TOTAL	34598	4807	6414	10052	13325
U.S. GOVERNMENT, TOTAL	6691	2569	2889	76	1042
ATOMIC ENERGY COMMISSION	167	43	108		16
DEPARTMENT OF DEFENSE	909	45	280		544
DEPARTMENT OF H.E.W. TOTAL	1937	1231	544	33	29
NATIONAL DEFENSE ED. ACT	96	66	7		1
NATIONAL INST. OF HEALTH	978	552	392	11	23
OTHER H.E.W.	765	593	145	17	5
N.A.S.A.	186	8	168		10
NATIONAL SCIENCE FOUNDATION	1895	293	778	16	16
ALL OTHER U.S. GOVT	2302	989	939	27	427
OTHER U.S. SOURCES	28102	2238	3605	9976	12283
INSTITUTIONAL SUPPORT	15150	1508	2855	9910	787
SELF-SUPPORT	10955				10955
ALL OTHER U.S. SOURCES	1997	630	750	66	541
FOREIGN SOURCES, TOTAL	901	504	41		356
SOURCE OF MAJOR SUPPORT			PERCENT DISTRIBUTION		
TOTAL, ALL SOURCES OF SUPPORT	100.0	100.0	100.0	100.0	100.0
ALL U.S. SOURCES, TOTAL	97.5	90.5	99.4	100.0	97.4
U.S. GOVERNMENT, TOTAL	18.3	48.4	43.5	.8	7.6
ATOMIC ENERGY COMMISSION	.5	.8	1.7		.1
DEPARTMENT OF DEFENSE	2.6	1.6	4.3		4.0
DEPARTMENT OF H.E.W. TOTAL	5.2	23.2	8.4	.3	.2
NATIONAL DEFENSE ED. ACT	.3	1.6	.1		.0
NATIONAL INST. OF HEALTH	2.8	10.4	6.1	.1	.2
OTHER H.E.W.	2.2	11.2	2.2	.2	.0
N.A.S.A.	.5	.2	2.6		.1
NATIONAL SCIENCE FOUNDATION	3.1	5.5	11.9	.2	.1
ALL OTHER U.S. GOVT	6.5	17.1	14.5	.3	3.1
OTHER U.S. SOURCES	79.2	42.1	55.8	99.2	89.8
INSTITUTIONAL SUPPORT	42.7	30.1	44.2	98.6	5.8
SELF-SUPPORT	30.9				80.1
ALL OTHER U.S. SOURCES	5.6	12.1	11.6	.7	4.0
FOREIGN SOURCES, TOTAL	2.5	9.5	.6		2.6
SOURCE OF MAJOR SUPPORT			PERCENT OF TOTAL		
TOTAL, ALL SOURCES OF SUPPORT	100.0	14.9	18.2	28.3	38.5
ALL U.S. SOURCES, TOTAL	100.0	13.9	18.5	29.1	38.5
U.S. GOVERNMENT, TOTAL	100.0	38.5	43.2	1.2	16.0
ATOMIC ENERGY COMMISSION	100.0	25.7	64.7		9.6
DEPARTMENT OF DEFENSE	100.0	9.4	38.8		59.8
DEPARTMENT OF H.E.W. TOTAL	100.0	67.0	29.6	1.8	1.6
NATIONAL DEFENSE ED. ACT	100.0	91.5	7.4		1.1
NATIONAL INST. OF HEALTH	100.0	56.4	40.1	1.1	2.4
OTHER H.E.W.	100.0	77.5	19.0	2.9	.7
N.A.S.A.	100.0	4.3	90.3		5.4
NATIONAL SCIENCE FOUNDATION	100.0	26.8	70.3	1.5	1.5
ALL OTHER U.S. GOVT	100.0	39.5	48.8	1.2	18.5
OTHER U.S. SOURCES	100.0	8.8	12.8	35.5	43.7
INSTITUTIONAL SUPPORT	100.0	10.5	18.8	65.4	5.2
SELF-SUPPORT	100.0				100.0
ALL OTHER U.S. SOURCES	100.0	37.9	37.6	3.3	27.1
FOREIGN SOURCES, TOTAL	100.0	55.9	4.6		39.5

TABLE B-23. FULL-TIME GRADUATE STUDENTS BEYOND THEIR FIRST YEAR IN DOCTORATE DEPARTMENTS OF PUBLICLY CONTROLLED INSTITUTIONS, BY SOURCE AND TYPE OF MAJOR SUPPORT, 1973

SOURCE OF MAJOR SUPPORT	TOTAL	FELLOWSHIPS AND TRAINEESHIPS	RESEARCH ASSISTANTSHIPS	TEACHING ASSISTANTSHIPS	OTHER TYPES OF SUPPORT
TOTAL, ALL SOURCES OF SUPPORT	74364	13349	19524	22113	19378
ALL U.S. SOURCES, TOTAL	73093	12629	19452	22113	18879
U.S. GOVERNMENT, TOTAL	21372	8386	11019	168	1807
ATOMIC ENERGY COMMISSION	939	81	831		27
DEPARTMENT OF DEFENSE	2002	96	1045		861
DEPARTMENT OF H.E.W. TOTAL	8281	5932	2188	74	87
NATIONAL DEFENSE ED. ACT	998	972	21		5
NATIONAL INST. OF HEALTH	5545	3737	1724	33	51
OTHER H.E.W.	1738	1223	443	41	31
N.A.S.A.	563	33	508		22
NATIONAL SCIENCE FOUNDATION	4364	933	3586	33	42
ALL OTHER U.S. GOVT	5073	1311	2941	53	768
OTHER U.S. SOURCES	51701	4243	8433	21953	4972
INSTITUTIONAL SUPPORT	33216	2793	6838	21838	1755
SELF-SUPPORT	14137				14137
ALL OTHER U.S. SOURCES	4348	1450	1595	23	1180
FOREIGN SOURCES, TOTAL	1271	760	72		439
SOURCE OF MAJOR SUPPORT			PERCENT DISTRIBUTION		
TOTAL, ALL SOURCES OF SUPPORT	100.0	100.0	100.0	100.0	100.0
ALL U.S. SOURCES, TOTAL	98.3	94.3	99.6	100.0	97.7
U.S. GOVERNMENT, TOTAL	28.7	62.6	56.4	.7	9.4
ATOMIC ENERGY COMMISSION	1.3	.6	4.3		.1
DEPARTMENT OF DEFENSE	2.7	.7	5.4		4.5
DEPARTMENT OF H.E.W. TOTAL	11.1	44.3	11.2	.3	.5
NATIONAL DEFENSE ED. ACT	1.3	7.3	.1		.0
NATIONAL INST. OF HEALTH	7.5	27.9	8.8	.1	.3
OTHER H.E.W.	2.3	9.1	2.3	.2	.2
N.A.S.A.	.8	.2	2.6		.1
NATIONAL SCIENCE FOUNDATION	6.1	7.0	18.0	.1	.2
ALL OTHER U.S. GOVT	6.8	9.8	15.1	.2	4.0
OTHER U.S. SOURCES	69.5	31.7	43.2	99.3	88.4
INSTITUTIONAL SUPPORT	44.7	20.9	35.0	98.7	9.1
SELF-SUPPORT	19.0				73.2
ALL OTHER U.S. SOURCES	5.8	10.8	8.2	.6	6.1
FOREIGN SOURCES, TOTAL	1.7	5.7	.4		2.3
SOURCE OF MAJOR SUPPORT			PERCENT OF TOTAL		
TOTAL, ALL SOURCES OF SUPPORT	100.0	18.0	26.3	29.7	26.0
ALL U.S. SOURCES, TOTAL	100.0	17.3	26.6	30.3	25.8
U.S. GOVERNMENT, TOTAL	100.0	39.2	51.6	.7	8.5
ATOMIC ENERGY COMMISSION	100.0	8.6	88.5		2.9
DEPARTMENT OF DEFENSE	100.0	4.8	52.2		43.0
DEPARTMENT OF H.E.W. TOTAL	100.0	71.6	26.4	.9	1.1
NATIONAL DEFENSE ED. ACT	100.0	97.4	2.1		.5
NATIONAL INST. OF HEALTH	100.0	67.4	31.1	.6	.9
OTHER H.E.W.	100.0	70.4	25.5	2.4	1.8
N.A.S.A.	100.0	5.9	90.2		3.9
NATIONAL SCIENCE FOUNDATION	100.0	20.7	77.7	.7	.9
ALL OTHER U.S. GOVT	100.0	25.8	58.0	1.0	15.1
OTHER U.S. SOURCES	100.0	8.2	16.3	42.5	33.0
INSTITUTIONAL SUPPORT	100.0	8.4	20.6	65.7	5.3
SELF-SUPPORT	100.0				100.0
ALL OTHER U.S. SOURCES	100.0	33.3	36.7	2.0	27.1
FOREIGN SOURCES, TOTAL	100.0	59.8	5.7		34.5

TABLE B-24. FULL-TIME GRADUATE STUDENTS IN DOCTORATE DEPARTMENTS OF PRIVATELY CONTROLLED INSTITUTIONS, BY SOURCE AND TYPE OF MAJOR SUPPORT, 19[illegible]

SOURCE OF MAJOR SUPPORT	TOTAL	FELLOWSHIPS AND TRAINEESHIPS	RESEARCH ASSISTANTSHIPS	TEACHING ASSISTANTSHIPS	OTHER TYPES OF SUPPORT
TOTAL, ALL SOURCES OF SUPPORT	41766	14246	8281	7683	11536
ALL U.S. SOURCES, TOTAL	40492	13540	8261	7683	11102
U.S. GOVERNMENT, TOTAL	17468	6605	6743	43	577
ATOMIC ENERGY COMMISSION	648	52	369		5
DEPARTMENT OF DEFENSE	1291	88	1033		178
DEPARTMENT OF H.E.W. TOTAL	5414	2402	966	13	33
NATIONAL DEFENSE ED. ACT	594	582	9		3
NATIONAL INST. OF HEALTH	3585	2735	820	6	24
OTHER H.E.W.	1235	1085	137	7	6
N.A.S.A.	475	15	456		4
NATIONAL SCIENCE FOUNDATION	3985	1283	2545	23	54
ALL OTHER U.S. GOVT	1963	773	860	7	303
OTHER U.S. SOURCES	27824	6841	2018	7640	10525
INSTITUTIONAL SUPPORT	14792	5171	1361	7574	686
SELF-SUPPORT	9817				9817
ALL OTHER U.S. SOURCES	3215	1670	657	66	822
FOREIGN SOURCES, TOTAL	1274	820	20		434
SOURCE OF MAJOR SUPPORT			PERCENT DISTRIBUTION		
TOTAL, ALL SOURCES OF SUPPORT	100.0	100.0	100.0	100.0	100.0
ALL U.S. SOURCES, TOTAL	96.9	94.3	99.8	100.0	96.2
U.S. GOVERNMENT, TOTAL	32.2	46.3	75.4	.6	5.0
ATOMIC ENERGY COMMISSION	1.1	.4	4.6		.0
DEPARTMENT OF DEFENSE	3.1	.6	12.5		1.5
DEPARTMENT OF H.E.W. TOTAL	13.0	30.9	11.7	.2	.3
NATIONAL DEFENSE ED. ACT	1.4	4.1	.1		.0
NATIONAL INST. OF HEALTH	8.6	19.2	9.9	.1	.2
OTHER H.E.W.	3.0	7.6	1.7	.1	.1
N.A.S.A.	1.1	.1	5.5		.0
NATIONAL SCIENCE FOUNDATION	9.3	9.0	30.7	.3	.5
ALL OTHER U.S. GOVT	4.7	5.4	10.4	.1	2.6
OTHER U.S. SOURCES	64.7	48.0	24.4	99.4	91.2
INSTITUTIONAL SUPPORT	35.4	36.2	16.4	98.6	5.9
SELF-SUPPORT	21.6				78.2
ALL OTHER U.S. SOURCES	7.7	11.7	7.9	.9	7.1
FOREIGN SOURCES, TOTAL	3.1	5.7	.2		3.8
SOURCE OF MAJOR SUPPORT			PERCENT OF TOTAL		
TOTAL, ALL SOURCES OF SUPPORT	100.0	34.2	19.8	18.4	27.6
ALL U.S. SOURCES, TOTAL	100.0	33.2	20.4	19.0	27.4
U.S. GOVERNMENT, TOTAL	100.0	49.0	46.4	.3	4.3
ATOMIC ENERGY COMMISSION	100.0	11.8	87.0		1.1
DEPARTMENT OF DEFENSE	100.0	6.2	80.0		13.8
DEPARTMENT OF H.E.W. TOTAL	100.0	81.3	17.8	.2	.6
NATIONAL DEFENSE ED. ACT	100.0	98.0	1.5		.5
NATIONAL INST. OF HEALTH	100.0	76.3	22.9	.2	.7
OTHER H.E.W.	100.0	87.9	11.1	.6	.5
N.A.S.A.	100.0	3.2	96.0		.8
NATIONAL SCIENCE FOUNDATION	100.0	32.9	65.2	.6	1.4
ALL OTHER U.S. GOVT	100.0	39.8	44.3	.4	15.6
OTHER U.S. SOURCES	100.0	25.3	7.5	[illegible]3	38.9
INSTITUTIONAL SUPPORT	100.0	35.0	9.2	51.2	4.6
SELF-SUPPORT	100.0				100.0
ALL OTHER U.S. SOURCES	100.0	51.9	20.4	2.1	25.6
FOREIGN SOURCES, TOTAL	100.0	64.4	1.6		34.1

TABLE B-25. FIRST-YEAR FULL-TIME GRADUATE STUDENTS IN DOCTORATE DEPARTMENTS OF PRIVATELY CONTROLLED INSTITUTIONS, BY SOURCE AND TYPE OF MAJOR SUPPORT, 1973

SOURCE OF MAJOR SUPPORT	TOTAL	FELLOWSHIPS AND TRAINEESHIPS	RESEARCH ASSISTANTSHIPS	TEACHING ASSISTANTSHIPS	OTHER TYPES OF SUPPORT
TOTAL, ALL SOURCES OF SUPPORT	13311	4315	1675	2431	4900
ALL U.S. SOURCES, TOTAL	12798	4012	1669	2431	4678
U.S. GOVERNMENT, TOTAL	2644	1316	1093	13	222
ATOMIC ENERGY COMMISSION	59	12	42		5
DEPARTMENT OF DEFENSE	374	37	266		71
DEPARTMENT OF H.E.W. TOTAL	738	569	145	3	13
NATIONAL DEFENSE ED. ACT	58	58			
NATIONAL INST. OF HEALTH	417	279	123	3	12
OTHER H.E.W.	255	232	22		1
N.A.S.A.	118	9	109		
NATIONAL SCIENCE FOUNDATION	709	330	365	4	10
ALL OTHER U.S. GOVT	654	356	166	6	123
OTHER U.S. SOURCES	10146	2696	576	2418	4456
INSTITUTIONAL SUPPORT	5260	2204	389	2394	271
SELF-SUPPORT	3915				3915
ALL OTHER U.S. SOURCES	971	492	187	22	270
FOREIGN SOURCES, TOTAL	531	303	6		222
SOURCE OF MAJOR SUPPORT			PERCENT DISTRIBUTION		
TOTAL, ALL SOURCES OF SUPPORT	100.0	100.0	100.0	100.0	100.0
ALL U.S. SOURCES, TOTAL	96.0	93.0	99.6	100.0	95.5
U.S. GOVERNMENT, TOTAL	19.8	30.5	65.3	.5	4.5
ATOMIC ENERGY COMMISSION	.4	.3	2.5		.1
DEPARTMENT OF DEFENSE	2.8	.9	15.9		1.4
DEPARTMENT OF H.E.W. TOTAL	5.5	13.2	8.7	.1	.3
NATIONAL DEFENSE ED. ACT	.4	1.3			
NATIONAL INST. OF HEALTH	3.1	6.5	7.3	.1	.2
OTHER H.E.W.	1.9	5.4	1.3		.0
N.A.S.A.	.9	.2	6.5		
NATIONAL SCIENCE FOUNDATION	5.3	7.6	21.8	.2	.2
ALL OTHER U.S. GOVT	4.9	8.3	9.9	.2	2.5
OTHER U.S. SOURCES	76.2	62.5	34.4	99.5	90.9
INSTITUTIONAL SUPPORT	39.5	51.1	23.2	98.6	5.5
SELF-SUPPORT	29.4				79.9
ALL OTHER U.S. SOURCES	7.3	11.4	11.2	.9	5.5
FOREIGN SOURCES, TOTAL	4.0	7.0	.4		4.5
SOURCE OF MAJOR SUPPORT			PERCENT OF TOTAL		
TOTAL, ALL SOURCES OF SUPPORT	100.0	32.4	12.6	18.2	36.8
ALL U.S. SOURCES, TOTAL	100.0	31.4	13.0	19.0	36.6
U.S. GOVERNMENT, TOTAL	100.0	49.8	41.3	.5	8.4
ATOMIC ENERGY COMMISSION	100.0	20.3	71.2		8.5
DEPARTMENT OF DEFENSE	100.0	9.9	71.1		19.0
DEPARTMENT OF H.E.W. TOTAL	100.0	77.9	19.9	.4	1.8
NATIONAL DEFENSE ED. ACT	100.0	100.0			
NATIONAL INST. OF HEALTH	100.0	66.9	29.5	.7	2.9
OTHER H.E.W.	100.0	91.0	8.6		.4
N.A.S.A.	100.0	7.6	92.4		
NATIONAL SCIENCE FOUNDATION	100.0	46.5	51.5	.6	1.4
ALL OTHER U.S. GOVT	100.0	54.9	25.4	.9	18.8
OTHER U.S. SOURCES	100.0	26.6	5.7	23.8	43.9
INSTITUTIONAL SUPPORT	100.0	41.9	7.4	45.6	5.2
SELF-SUPPORT	100.0				100.0
ALL OTHER U.S. SOURCES	100.0	50.7	19.3	2.3	27.8
FOREIGN SOURCES, TOTAL	100.0	57.1	1.1		41.8

TABLE B-26. FULL-TIME GRADUATE STUDENTS BEYOND THEIR FIRST YEAR IN DOCTORATE DEPARTMENTS OF PRIVATELY CONTROLLED INSTITUTIONS, BY SOURCE AND TYPE OF MAJOR SUPPORT, 1973

SOURCE OF MAJOR SUPPORT	TOTAL	FELLOWSHIPS AND TRAINEESHIPS	RESEARCH ASSISTANTSHIPS	TEACHING ASSISTANTSHIPS	OTHER TYPES OF SUPPORT
TOTAL, ALL SOURCES OF SUPPORT	28445	9951	6606	5252	6636
ALL U.S. SOURCES, TOTAL	27702	9434	6592	5252	6424
U.S. GOVERNMENT, TOTAL	10824	5289	5150	30	355
ATOMIC ENERGY COMMISSION	381	40	341		
DEPARTMENT OF DEFENSE	917	43	767		107
DEPARTMENT OF H.E.W. TOTAL	4684	3833	821	10	20
NATIONAL DEFENSE ED. ACT	536	524	9		3
NATIONAL INST. OF HEALTH	3168	2456	697	3	12
OTHER H.E.W.	980	853	115	7	5
N.A.S.A.	357	6	347		4
NATIONAL SCIENCE FOUNDATION	3196	953	2180	19	44
ALL OTHER U.S. GOVT	1289	414	694	1	180
OTHER U.S. SOURCES	16878	4145	1442	5222	6069
INSTITUTIONAL SUPPORT	9532	2967	972	5178	415
SELF-SUPPORT	5102				5102
ALL OTHER U.S. SOURCES	2244	1178	470	44	552
FOREIGN SOURCES, TOTAL	743	517	14		212
SOURCE OF MAJOR SUPPORT			PERCENT DISTRIBUTION		
TOTAL, ALL SOURCES OF SUPPORT	100.0	100.0	100.0	100.0	100.0
ALL U.S. SOURCES, TOTAL	97.4	94.8	99.8	100.0	96.8
U.S. GOVERNMENT, TOTAL	38.1	53.2	78.0	.6	5.3
ATOMIC ENERGY COMMISSION	1.3	.4	5.2		
DEPARTMENT OF DEFENSE	3.2	.4	11.6		1.6
DEPARTMENT OF H.E.W. TOTAL	16.5	38.5	12.4	.2	.3
NATIONAL DEFENSE ED. ACT	1.9	5.3	.1		.0
NATIONAL INST. OF HEALTH	11.1	24.7	10.6	.1	.2
OTHER H.E.W.	3.4	8.6	1.7	.1	.1
N.A.S.A.	1.3	.1	5.3		.1
NATIONAL SCIENCE FOUNDATION	11.2	9.6	33.0	.4	.7
ALL OTHER U.S. GOVT	4.5	4.2	10.5	.0	2.7
OTHER U.S. SOURCES	59.3	41.7	21.8	99.4	91.5
INSTITUTIONAL SUPPORT	33.5	29.8	14.7	98.6	6.3
SELF-SUPPORT	17.9				76.9
ALL OTHER U.S. SOURCES	7.9	11.8	7.1	.8	8.3
FOREIGN SOURCES, TOTAL	2.6	5.2	.2		3.2
SOURCE OF MAJOR SUPPORT			PERCENT OF TOTAL		
TOTAL, ALL SOURCES OF SUPPORT	100.0	35.0	23.2	18.5	23.3
ALL U.S. SOURCES, TOTAL	100.0	34.1	23.8	19.0	23.2
U.S. GOVERNMENT, TOTAL	100.0	48.9	47.6	.3	3.3
ATOMIC ENERGY COMMISSION	100.0	10.5	89.5		
DEPARTMENT OF DEFENSE	100.0	4.7	83.6		11.7
DEPARTMENT OF H.E.W. TOTAL	100.0	81.8	17.5	.2	.4
NATIONAL DEFENSE ED. ACT	100.0	97.8	1.7		.6
NATIONAL INST. OF HEALTH	100.0	77.5	22.0	.1	.4
OTHER H.E.W.	100.0	87.0	11.7	.7	.5
N.A.S.A.	100.0	1.7	97.2		1.1
NATIONAL SCIENCE FOUNDATION	100.0	29.8	68.2	.6	1.4
ALL OTHER U.S. GOVT	100.0	32.1	53.8	.1	14.0
OTHER U.S. SOURCES	100.0	24.6	8.5	30.9	36.0
INSTITUTIONAL SUPPORT	100.0	31.1	10.2	54.3	4.4
SELF-SUPPORT	100.0				100.0
ALL OTHER U.S. SOURCES	100.0	52.5	20.9	2.0	24.6
FOREIGN SOURCES, TOTAL	100.0	69.6	1.9		28.5

TABLE B-27. FULL-TIME GRADUATE STUDENTS IN DOCTORATE DEPARTMENTS SUPPORTED BY U.S. GOVERNMENT SOURCES, BY FIELD OF SCIENCE AND FEDERAL AGENCY, 1973

AREA AND FIELD OF SCIENCE	TOTAL	AEC	DEPT. OF DEFENSE	HEW TOTAL HEW	HEW NDEA	HEW NIH	HEW OTHER HEW	NASA	NSF	OTHER U.S. GOVT.
TOTAL, ALL FIELDS OF SCIENCE	41336	1546	4202	15532	1686	10108	3738	1224	9514	9318
ENGINEERING	10273	514	2704	1153	197	679	277	555	2540	2807
AERONAUTICAL	611	4	275	13	8	4	1	140	71	108
AGRICULTURAL	84			7	4		3		5	72
CHEMICAL	908	74	53	104	30	52	22	22	472	183
CIVIL	1713	11	146	192	17	29	146	23	278	1063
ELECTRICAL	2370	32	999	200	46	148	6	144	645	350
ENGINEERING SCIENCE	550	27	166	58	7	31	20	31	152	116
INDUSTRIAL	846	2	351	102	18	41	43	3	121	267
MECHANICAL	1441	48	439	141	33	88	20	111	329	373
METALLURGICAL AND MATERIALS	821	126	193	60	11	46	3	55	280	107
MINING	77			3	1	2			18	56
NUCLEAR	387	162	23	20	6	13	1	15	52	35
PETROLEUM	16			1	1				3	12
ENGINEERING, NEC	529	28	59	252	15	225	12	11	114	65
PHYSICAL SCIENCES	8750	869	988	1268	298	888	82	569	3869	1187
ASTRONOMY	233		1	8	8			58	135	31
ATMOSPHERIC SCIENCES	554	15	136	8	4	4		32	252	111
CHEMISTRY	2882	219	150	1007	136	817	54	51	1226	229
GEOSCIENCES	1110	29	82	58	45	7	6	144	507	290
OCEANOGRAPHY	687	18	160	14	8	6		9	261	225
PHYSICS	3284	588	459	173	97	54	22	275	1488	301
MATHEMATICAL SCIENCES	1497	37	213	248	111	115	14	9	746	252
APPLIED MATHEMATICS	596	26	135	62	6	51	5	7	279	87
MATHEMATICS	671	11	40	105	93	5	7	2	421	92
STATISTICS	230		38	73	12	59	2		46	73
LIFE SCIENCES	12289	122	109	8147	325	6785	1037	72	1179	2580
AGRICULTURE	1380	6	12	118	45	59	14	35	138	1071
ANATOMY	311	1	1	273	6	252	15	2	8	26
BIOCHEMISTRY	1604	10	3	1398	35	1293	70		137	56
BIOLOGY	986	5	9	665	49	495	121	7	193	107
BIOMETRY AND BIOSTATISTICS	105			99		71	28			6
BIOPHYSICS	409	46		336	5	270	61	1	17	9
BIOSCIENCES, NEC	451	15	3	284	18	232	34	1	99	49
BOTANY	365	15		62	31	23	8	4	135	149
CELL BIOLOGY	227	2	1	200	3	193	4		18	6
ECOLOGY	85	5		21	7	13	1		44	15
ENTOMOLOGY AND PARASITOLOGY	319	1	12	73	10	54	9		79	154
GENETICS	295			262	7	244	11	1	18	14
MICROBIOLOGY	1161	2	5	958	27	858	73	7	78	111
NUTRITION	411		7	244	11	195	38	1	5	154
PATHOLOGY	357		1	339	1	316	22	5	2	10
PHARMACOLOGY	620			589	12	549	28		11	20
PHYSIOLOGY	753		20	641	12	589	40	3	27	62
ZOOLOGY	615	11	4	230	36	181	13	1	143	226
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	1755	3	31	1355	10	898	447	4	27	335
PSYCHOLOGY	3982	1	89	2733	118	1065	1550	7	371	781
SOCIAL SCIENCES	4596	3	99	1963	636	574	753	12	809	1710
AGRICULTURAL ECONOMICS	303			11	11			1	3	288
ANTHROPOLOGY	602			361	113	113	135		155	86
ECONOMICS (EXCEPT AGRICULTURE)	850		13	173	95	19	59	1	221	442
GEOGRAPHY	197		9	41	27	2	12	9	48	90
HISTORY AND PHILOSOPHY OF SCIENCE	164		1	111	101	8	2		32	20
LINGUISTICS	459	2	5	225	74	76	75		86	141
POLITICAL SCIENCE	613		50	211	148	10	53	1	88	263
SOCIOLOGY	1259	1	20	744	58	326	360		171	323
SOCIOLOGY AND ANTHROPOLOGY	91		1	51	8		43		5	34
ALL OTHER SCIENCES, NEC	29			28	1	2	25			1

TABLE B-28. FIRST-YEAR FULL-TIME GRADUATE STUDENTS IN DOCTORATE DEPARTMENTS SUPPORTED BY U.S. GOVERNMENT SOURCES, BY FIELD OF SCIENCE AND FEDERAL AGENCY, 1973

AREA AND FIELD OF SCIENCE	TOTAL	AEC	DEPT. OF DEFENSE	HEW TOTAL HEW	HEW NDEA	HEW NIH	HEW OTHER HEW	NASA	NSF	OTHER U.S. GOVT.
TOTAL, ALL FIELDS OF SCIENCE	9140	226	1283	2567	152	1395	1020	304	1804	2956
ENGINEERING	3371	153	959	275	12	114	149	171	691	1122
AERONAUTICAL	194	3	93	2	1	1		42	24	30
AGRICULTURAL	33								3	30
CHEMICAL	220	13	11	19	1	10	8	6	114	57
CIVIL	870	1	102	114	2	7	105	8	85	560
ELECTRICAL	757	12	372	26	3	20	3	44	182	121
ENGINEERING SCIENCE	118	14	48	10		1	9	4	28	14
INDUSTRIAL	252		105	28	2	11	15	3	34	82
MECHANICAL	477	22	160	30	3	22	5	35	101	129
METALLURGICAL AND MATERIALS	200	24	39	15		14	1	21	70	31
MINING	25			2		2			3	20
NUCLEAR	91	54	6	3		3		3	11	14
PETROLEUM	4								1	3
ENGINEERING, NEC	130	10	23	26		23	3	5	35	31
PHYSICAL SCIENCES	1049	55	172	57	13	27	17	97	433	235
ASTRONOMY	23			1	1			4	14	4
ATMOSPHERIC SCIENCES	144	3	38	2		2		10	58	33
CHEMISTRY	137	9	2	27	4	19	4	7	70	22
GEOSCIENCES	284	1	14	10	4	2	4	43	110	106
OCEANOGRAPHY	150	4	46					5	53	42
PHYSICS	311	38	72	17	4	4	9	28	128	28
MATHEMATICAL SCIENCES	354	3	49	28	7	19	2	5	187	82
APPLIED MATHEMATICS	140		34	16		15	1	5	54	31
MATHEMATICS	170	3	11	10	7	2	1		116	30
STATISTICS	44		4	2		2			17	21
LIFE SCIENCES	2323	15	35	1220	23	917	280	25	260	768
AGRICULTURE	422	2	4	19	8	9	2	13	55	329
ANATOMY	44			35	1	32	2		1	8
BIOCHEMISTRY	196	3	1	157	1	143	13		24	11
BIOLOGY	115	2	1	52		42	10	5	32	23
BIOMETRY AND BIOSTATISTICS	29			27		14	13			2
BIOPHYSICS	29	2		22	1	14	7		2	3
BIOSCIENCES, NEC	67	2		32		27	5		21	12
BOTANY	68	2		7	3	2	2		24	35
CELL BIOLOGY	22		1	16		16			4	1
ECOLOGY	15								11	4
ENTOMOLOGY AND PARASITOLOGY	72		1	10	1	6	3		19	42
GENETICS	35			30		28	2		4	1
MICROBIOLOGY	175	1	1	116	2	95	19	3	30	24
NUTRITION	97		1	55		35	20	1	1	39
PATHOLOGY	97			88	1	77	10	2	1	6
PHARMACOLOGY	83			71	1	60	10		5	7
PHYSIOLOGY	96		5	76		72	4		1	14
ZOOLOGY	97	1	2	22	2	16	4		22	50
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	564		18	385	2	229	154	1	3	157
PSYCHOLOGY	925		19	670	9	261	400	3	73	160
SOCIAL SCIENCES	1092		49	292	88	57	147	3	160	588
AGRICULTURAL ECONOMICS	92			2	2			1		89
ANTHROPOLOGY	60			22	11	2	9		27	11
ECONOMICS (EXCEPT AGRICULTURE)	225		6	28	10	5	13		46	145
GEOGRAPHY	60		6	4	2		2	2	20	28
HISTORY AND PHILOSOPHY OF SCIENCE	28			15	13	1	1		6	7
LINGUISTICS	136			73	14	12	47		10	53
POLITICAL SCIENCE	215		24	46	30	2	14		20	125
SOCIOLOGY	244		13	97	5	35	57		30	104
SOCIOLOGY AND ANTHROPOLOGY	12			4	1		3		1	7
ALL OTHER SCIENCES, NEC	26			25			25			1

TABLE B-29. FULL-TIME GRADUATE STUDENTS BEYOND THEIR FIRST YEAR IN DOCTORATE DEPARTMENTS SUPPORTED BY U.S. GOVERNMENT SOURCES, BY FIELD OF SCIENCE AND FEDERAL AGENCY, 1973

AREA AND FIELD OF SCIENCE	TOTAL	AEC	DEPT. OF DEFENSE	HEW TOTAL HEW	HEW NDEA	HEW NIH	HEW OTHER HEW	NASA	NSF	OTHER U.S. GOVT.
TOTAL, ALL FIELDS OF SCIENCE	32196	1320	2919	12965	1534	8713	2718	920	7710	6362
ENGINEERING	6982	361	1745	878	185	565	128	384	1849	1685
AERONAUTICAL	417	1	182	11	7	3	1	98	47	78
AGRICULTURAL	51			7	4		3		2	42
CHEMICAL	688	61	42	85	29	42	14	16	358	126
CIVIL	843	18	44	78	15	22	41	15	193	503
ELECTRICAL	1613	28	627	174	43	128	3	100	463	229
ENGINEERING SCIENCE	432	13	118	48	7	30	11	27	124	102
INDUSTRIAL	594	2	246	74	16	30	28		87	185
MECHANICAL	964	26	279	111	30	66	15	76	228	244
METALLURGICAL AND MATERIALS	621	102	154	45	11	32	2	34	210	76
MINING	52			1	1				15	36
NUCLEAR	216	108	17	17	6	10	1	12	41	21
PETROLEUM	12			1	1				2	9
ENGINEERING, NEC	399	18	36	226	15	202	9	6	79	34
PHYSICAL SCIENCES	7701	814	816	1211	285	861	65	472	3436	952
ASTRONOMY	210		1	7	7			54	121	27
ATMOSPHERIC SCIENCES	410	12	98	6	4	2		22	194	78
CHEMISTRY	2745	210	148	980	132	798	50	44	1156	207
GEOSCIENCES	826	28	68	48	41	5	2	101	397	184
OCEANOGRAPHY	537	14	114	14	8	6		4	208	183
PHYSICS	2973	550	387	156	93	50	13	247	1360	273
MATHEMATICAL SCIENCES	1143	34	164	212	104	96	12	4	559	170
APPLIED MATHEMATICS	456	26	101	46	6	36	4	2	225	56
MATHEMATICS	501	8	29	95	86	3	6	2	305	62
STATISTICS	186		34	71	12	57	2		29	52
LIFE SCIENCES	9886	107	74	6927	302	5868	757	47	919	1812
AGRICULTURE	958	4	8	99	37	50	12	22	83	742
ANATOMY	267	1	1	238	5	220	13	2	7	18
BIOCHEMISTRY	1408	7	2	1241	34	1150	57		113	45
BIOLOGY	871	3	8	613	49	453	111	2	161	84
BIOMETRY AND BIOSTATISTICS	76			72		57	15			4
BIOPHYSICS	380	44		314	4	256	54	1	15	6
BIOSCIENCES, NEC	384	13	3	252	18	205	29	1	78	37
BOTANY	297	13		55	28	21	6	4	111	114
CELL BIOLOGY	205	2		184	3	177	4		14	5
ECOLOGY	78	5		21	7	13	1		33	11
ENTOMOLOGY AND PARASITOLOGY	247	1	11	63	9	48	6		60	112
GENETICS	260			232	7	216	9	1	14	13
MICROBIOLOGY	986	1	4	842	25	763	54	4	48	87
NUTRITION	314		6	189	11	160	18		4	115
PATHOLOGY	260		1	251		239	12	3	1	4
PHARMACOLOGY	537			518	11	489	18		6	13
PHYSIOLOGY	657		15	565	12	517	36	3	26	48
ZOOLOGY	518	10	2	208	34	165	9	1	121	176
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	1191	3	13	970	8	669	293	3	24	178
PSYCHOLOGY	3057	1	70	2063	109	804	1150	4	298	621
SOCIAL SCIENCES	3504	3	50	1671	548	517	606	9	649	1122
AGRICULTURAL ECONOMICS	211			9	9				3	199
ANTHROPOLOGY	542			339	102	111	126		128	75
ECONOMICS (EXCEPT AGRICULTURE)	625		7	145	85	14	46	1	175	297
GEOGRAPHY	137		3	37	25	2	10	7	28	62
HISTORY AND PHILOSOPHY OF SCIENCE	136		1	96	88	7	1		26	13
LINGUISTICS	323	2	5	152	60	64	28		76	88
POLITICAL SCIENCE	398		26	165	118	8	39	1	68	138
SOCIOLOGY	1015	1	7	647	53	291	303		141	219
SOCIOLOGY AND ANTHROPOLOGY	79		1	47	7		40		4	27
ALL OTHER SCIENCES, NEC	3			3	1	2				

TABLE B-38. FULL-TIME GRADUATE STUDENTS IN DOCTORATE DEPARTMENTS SUPPORTED BY NON-U.S. GOVERNMENT SOURCES, BY FIELD OF SCIENCE: 1973

AREA AND FIELD OF SCIENCE	TOTAL	INSTITUTIONAL SUPPORT	FOREIGN SOURCES	ALL OTHER U.S. SOURCES	SELF-SUPPORT
TOTAL, ALL FIELDS OF SCIENCE	110273	63158	3446	9560	34109
ENGINEERING	19175	8881	1090	2754	6530
AERONAUTICAL	501	283	28	76	114
AGRICULTURAL	336	227	44	24	41
CHEMICAL	2023	993	110	510	410
CIVIL	3315	1295	178	387	1455
ELECTRICAL	4635	2291	225	490	1629
ENGINEERING SCIENCE	781	462	26	107	186
INDUSTRIAL	1950	728	144	223	855
MECHANICAL	2616	1214	128	428	846
METALLURGICAL AND MATERIALS	788	372	45	215	156
MINING	169	87	22	29	31
NUCLEAR	624	312	39	66	207
PETROLEUM	163	34	52	51	26
ENGINEERING, NEC	1274	503	49	148	574
PHYSICAL SCIENCES	18423	14126	398	1176	2723
ASTRONOMY	323	237	11	15	60
ATMOSPHERIC SCIENCES	260	135	22	20	83
CHEMISTRY	8426	7119	94	552	661
GEOSCIENCES	3363	1978	123	216	1046
OCEANOGRAPHY	625	327	23	91	184
PHYSICS	5426	4330	125	282	689
MATHEMATICAL SCIENCES	9998	6896	219	479	2404
APPLIED MATHEMATICS	1986	960	61	244	721
MATHEMATICS	6945	5252	125	175	1393
STATISTICS	1067	684	33	60	290
LIFE SCIENCES	26495	15074	1021	2368	8032
AGRICULTURE	4738	2214	437	626	1461
ANATOMY	557	323	6	36	192
BIOCHEMISTRY	1642	1041	43	187	371
BIOLOGY	3299	2280	23	150	846
BIOMETRY AND BIOSTATISTICS	165	69	9	17	70
BIOPHYSICS	292	174	13	22	83
BIOSCIENCES, NEC	1643	1068	14	100	461
BOTANY	1825	1286	89	114	336
CELL BIOLOGY	257	170	4	14	69
ECOLOGY	358	218	5	38	97
ENTOMOLOGY AND PARASITOLOGY	733	439	70	70	154
GENETICS	377	181	30	56	110
MICROBIOLOGY	1711	1055	40	95	521
NUTRITION	1076	530	60	147	339
PATHOLOGY	386	135	29	27	195
PHARMACOLOGY	645	395	21	67	162
PHYSIOLOGY	1132	558	24	90	460
ZOOLOGY	2626	1697	9	200	720
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	3033	1241	95	312	1385
PSYCHOLOGY	9778	5362	43	947	3426
SOCIAL SCIENCES	26316	12850	675	1835	10956
AGRICULTURAL ECONOMICS	958	540	65	80	273
ANTHROPOLOGY	3231	1351	27	149	1704
ECONOMICS (EXCEPT AGRICULTURE)	5549	2885	300	341	2023
GEOGRAPHY	1371	786	25	56	504
HISTORY AND PHILOSOPHY OF SCIENCE	2158	1190	21	132	815
LINGUISTICS	1540	769	60	138	573
POLITICAL SCIENCE	5679	2524	64	385	2706
SOCIOLOGY	5307	2562	102	529	2114
SOCIOLOGY AND ANTHROPOLOGY	284	183	6	4	91
ALL OTHER SCIENCES, NEC	88	49		1	38

TABLE B-31. FIRST YEAR FULL-TIME GRADUATE STUDENTS IN DOCTORATE DEPARTMENTS SUPPORTED BY NON-U.S. GOVERNMENT SOURCES, BY FIELD OF SCIENCE, 1973

AREA AND FIELD OF SCIENCE	TOTAL	INSTITUTIONAL SUPPORT	FOREIGN SOURCES	ALL OTHER U.S. SOURCES	SELF-SUPPORT
TOTAL, ALL FIELDS OF SCIENCE	39680	20410	1432	2968	14870
ENGINEERING	8856	3684	547	1160	3465
AERONAUTICAL	178	98	12	29	39
AGRICULTURAL	124	81	22	8	13
CHEMICAL	872	417	58	203	194
CIVIL	1786	632	94	165	895
ELECTRICAL	2243	966	115	226	936
ENGINEERING SCIENCE	277	149	15	25	88
INDUSTRIAL	967	300	75	124	468
MECHANICAL	1213	527	72	184	430
METALLURGICAL AND MATERIALS	304	153	18	82	51
MINING	58	24	13	9	12
NUCLEAR	255	131	8	24	92
PETROLEUM	69	13	24	19	13
ENGINEERING, NEC	510	193	21	62	234
PHYSICAL SCIENCES	6050	4783	131	240	896
ASTRONOMY	103	74	4	1	24
ATMOSPHERIC SCIENCES	121	65	7	7	42
CHEMISTRY	2787	2518	34	63	172
GEOSCIENCES	1164	658	41	76	389
OCEANOGRAPHY	175	75	7	21	72
PHYSICS	1700	1393	38	72	197
MATHEMATICAL SCIENCES	3354	2057	81	155	1061
APPLIED MATHEMATICS	771	340	26	89	316
MATHEMATICS	2209	1498	40	52	619
STATISTICS	374	219	15	14	126
LIFE SCIENCES	10240	4948	413	776	4103
AGRICULTURE	1790	692	169	243	686
ANATOMY	219	103	1	14	101
BIOCHEMISTRY	634	383	20	44	187
BIOLOGY	1229	772	13	30	414
BIOMETRY AND BIOSTATISTICS	77	29	2	8	38
BIOPHYSICS	123	76	5	7	35
BIOSCIENCES, NEC	636	381	3	42	210
BOTANY	564	339	27	36	162
CELL BIOLOGY	104	61	1	7	35
ECOLOGY	126	72	1	8	45
ENTOMOLOGY AND PARASITOLOGY	210	97	28	29	56
GENETICS	116	42	8	15	51
MICROBIOLOGY	713	362	20	30	301
NUTRITION	401	161	26	43	171
PATHOLOGY	174	59	8	12	95
PHARMACOLOGY	258	145	8	19	86
PHYSIOLOGY	465	187	8	20	250
ZOOLOGY	800	497	3	43	257
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	1601	490	62	126	923
PSYCHOLOGY	2735	1376	6	141	1212
SOCIAL SCIENCES	8411	3542	254	495	4120
AGRICULTURAL ECONOMICS	296	139	27	23	107
ANTHROPOLOGY	1003	281	9	36	677
ECONOMICS (EXCEPT AGRICULTURE)	1823	831	114	76	802
GEOGRAPHY	441	239	9	20	173
HISTORY AND PHILOSOPHY OF SCIENCE	684	307	4	28	265
LINGUISTICS	536	208	32	42	254
POLITICAL SCIENCE	1913	740	17	117	1039
SOCIOLOGY	1554	714	39	143	658
SOCIOLOGY AND ANTHROPOLOGY	119	77	3	1	38
ALL OTHER SCIENCES, NEC	34	20		1	13

TABLE B-32. FULL-TIME GRADUATE STUDENTS BEYOND THEIR FIRST YEAR IN DOCTORATE DEPARTMENTS SUPPORTED BY NON-U.S. GOVERNMENT SOURCES, BY FIELD OF SCIENCE, 1973

AREA AND FIELD OF SCIENCE	TOTAL	INSTITUTIONAL SUPPORT	FOREIGN SOURCES	ALL OTHER U.S. SOURCES	SELF-SUPPORT
TOTAL, ALL FIELDS OF SCIENCE	70593	42748	2014	6592	19239
ENGINEERING	10319	5117	543	1594	3065
AERONAUTICAL	323	185	16	47	75
AGRICULTURAL	212	146	22	16	28
CHEMICAL	1151	576	52	307	216
CIVIL	1529	663	84	222	560
ELECTRICAL	2392	1325	110	264	693
ENGINEERING SCIENCE	504	313	11	82	98
INDUSTRIAL	983	428	69	99	387
MECHANICAL	1403	687	56	244	416
METALLURGICAL AND MATERIALS	484	219	27	133	105
MINING	111	63	9	20	19
NUCLEAR	369	181	31	42	115
PETROLEUM	94	21	28	32	13
ENGINEERING, NEC	764	310	28	86	340
PHYSICAL SCIENCES	12373	9343	267	936	1827
ASTRONOMY	220	163	7	14	36
ATMOSPHERIC SCIENCES	139	70	15	13	41
CHEMISTRY	5639	4601	60	489	489
GEOSCIENCES	2199	1320	82	140	357
OCEANOGRAPHY	450	252	16	70	112
PHYSICS	3726	2937	87	210	492
MATHEMATICAL SCIENCES	6644	4839	138	324	1343
APPLIED MATHEMATICS	1215	620	35	155	405
MATHEMATICS	4736	3754	85	123	774
STATISTICS	693	465	18	46	164
LIFE SCIENCES	16255	10126	608	1592	3929
AGRICULTURE	2948	1522	268	383	775
ANATOMY	338	220	5	22	91
BIOCHEMISTRY	1008	658	23	143	184
BIOLOGY	2070	1508	10	120	432
BIOMETRY AND BIOSTATISTICS	88	40	7	9	32
BIOPHYSICS	169	98	8	15	48
BIOSCIENCES, NEC	1007	687	11	58	251
BOTANY	1261	947	62	78	174
CELL BIOLOGY	153	109	3	7	34
ECOLOGY	232	146	4	30	52
ENTOMOLOGY AND PARASITOLOGY	523	342	42	41	98
GENETICS	261	139	22	41	59
MICROBIOLOGY	998	693	20	65	220
NUTRITION	675	369	34	104	168
PATHOLOGY	212	76	21	15	100
PHARMACOLOGY	387	258	13	48	76
PHYSIOLOGY	667	371	16	70	210
ZOOLOGY	1826	1200	6	157	463
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	1432	751	33	186	462
PSYCHOLOGY	7843	3986	37	806	2214
SOCIAL SCIENCES	17985	9368	421	1340	6836
AGRICULTURAL ECONOMICS	662	401	38	57	166
ANTHROPOLOGY	2228	1070	18	113	1027
ECONOMICS (EXCEPT AGRICULTURE)	3726	2054	186	265	1221
GEOGRAPHY	930	547	16	36	331
HISTORY AND PHILOSOPHY OF SCIENCE	1554	883	17	104	550
LINGUISTICS	1004	561	28	96	319
POLITICAL SCIENCE	3766	1784	47	268	1667
SOCIOLOGY	3753	1848	63	386	1456
SOCIOLOGY AND ANTHROPOLOGY	165	106	3	3	53
ALL OTHER SCIENCES, NEC	54	29			25

TABLE A-33. POSTDOCTORALS IN DOCTORATE DEPARTMENTS, BY FIELD OF SCIENCE AND SOURCE OF SUPPORT, 1973

AREA AND FIELD OF SCIENCE	TOTAL POSTDOCTORALS		SOURCES OF SUPPORT			
			U.S. GOVERNMENT		OTHER SOURCES	
	NUMBER	PERCENT DISTRIBUTION	NUMBER	PERCENT OF TOTAL	NUMBER	PERCENT OF TOTAL
TOTAL, ALL FIELDS OF SCIENCE	16214	100.0	11203	69.1	5011	30.9
ENGINEERING	962	5.9	717	74.5	245	25.5
AERONAUTICAL	40	.2	34	85.0	6	15.0
AGRICULTURAL	14	.1	5	35.7	9	64.3
CHEMICAL	143	.9	97	67.8	46	32.2
CIVIL	73	.5	50	68.5	23	31.5
ELECTRICAL	179	1.1	152	84.9	27	15.1
ENGINEERING SCIENCE	128	.8	102	79.7	26	20.3
INDUSTRIAL	26	.2	6	23.1	20	76.9
MECHANICAL	99	.6	67	67.7	32	32.3
METALLURGICAL AND MATERIALS	152	.9	130	85.5	22	14.5
MINING	9	.1	6	66.7	3	33.3
NUCLEAR	20	.1	14	70.0	6	30.0
PETROLEUM	12	.1	5	41.7	7	58.3
ENGINEERING, NEC	67	.4	49	73.1	18	26.9
PHYSICAL SCIENCES	4106	25.3	3168	77.2	938	22.8
ASTRONOMY	115	.7	104	90.4	11	9.6
ATMOSPHERIC SCIENCES	36	.2	34	94.4	2	5.6
CHEMISTRY	2404	14.8	1775	73.8	629	26.2
GEOSCIENCES	211	1.3	152	72.0	59	28.0
OCEANOGRAPHY	72	.4	49	68.1	23	31.9
PHYSICS	1268	7.8	1054	83.1	214	16.9
MATHEMATICAL SCIENCES	145	.9	94	64.8	51	35.2
APPLIED MATHEMATICS	30	.2	21	70.0	9	30.0
MATHEMATICS	96	.6	56	58.3	40	41.7
STATISTICS	19	.1	17	89.5	2	10.5
LIFE SCIENCES	10433	64.3	6936	66.5	3497	33.5
AGRICULTURE	248	1.5	139	56.0	109	44.0
ANATOMY	210	1.3	142	67.6	68	32.4
BIOCHEMISTRY	1299	8.0	956	73.6	343	26.4
BIOLOGY	617	3.8	412	66.8	205	33.2
BIOMETRY AND BIOSTATISTICS	5	.0	2	40.0	3	60.0
BIOPHYSICS	210	1.3	170	81.0	40	19.0
BIOSCIENCES, NEC	250	1.5	172	68.8	78	31.2
BOTANY	145	.9	76	52.4	69	47.6
CELL BIOLOGY	187	1.2	127	67.9	60	32.1
ECOLOGY	44	.3	19	43.2	25	56.8
ENTOMOLOGY AND PARASITOLOGY	127	.8	71	55.9	56	44.1
GENETICS	186	1.1	149	80.1	37	19.9
MICROBIOLOGY	571	3.5	444	77.8	127	22.2
NUTRITION	79	.5	46	58.2	33	41.8
PATHOLOGY	347	2.1	254	73.2	93	26.8
PHARMACOLOGY	380	2.3	293	77.1	87	22.9
PHYSIOLOGY	411	2.5	317	77.1	94	22.9
ZOOLOGY	160	1.0	125	78.1	35	21.9
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	4957	30.6	3022	61.0	1935	39.0
PSYCHOLOGY	190	1.2	130	68.4	60	31.6
SOCIAL SCIENCES	377	2.3	158	41.9	219	58.1
AGRICULTURAL ECONOMICS	32	.2	16	50.0	16	50.0
ANTHROPOLOGY	55	.3	37	67.3	18	32.7
ECONOMICS (EXCEPT AGRICULTURE)	70	.4	33	47.1	37	52.9
GEOGRAPHY	39	.2	4	10.3	35	89.7
HISTORY AND PHILOSOPHY OF SCIENCE	9	.1	5	55.6	4	44.4
LINGUISTICS	94	.6	29	30.9	65	69.1
POLITICAL SCIENCE	35	.2	14	40.0	21	60.0
SOCIOLOGY	35	.2	16	45.7	19	54.3
SOCIOLOGY AND ANTHROPOLOGY	3	.0	3	100.0		
ALL OTHER SCIENCES, NEC	1	.0			1	100.0

TABLE C-1. GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS, BY FIELD OF SCIENCE AND ENROLLMENT STATUS, 1971-73

AREA AND FIELD OF SCIENCE	TOTAL GRADUATE ENROLLMENT					FULL TIME					PART TIME				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1971	1972	1973	71-72	72-73	1971	1972	1973	71-72	72-73	1971	1972	1973	71-72	72-73
TOTAL, ALL FIELDS OF SCIENCE	198576	194734	192804	-1.9	-1.0	154640	151052	147305	-2.3	-2.5	43936	43682	45499	-.6	4.2
ENGINEERING	49641	47149	44293	-5.0	-1.8	31780	30290	29305	-4.7	-3.3	17861	16859	16988	-5.6	.8
AERONAUTICAL	1552	1478	1484	-4.8	-5.0	1255	1164	1076	-7.3	-7.6	297	314	328	5.7	4.5
AGRICULTURAL	717	636	689	-11.3	-4.2	681	526	516	-12.5	-1.9	116	110	93	-5.2	-15.5
CHEMICAL	4363	4012	3967	-8.0	-1.1	3170	2889	2839	-8.9	-1.7	1193	1123	1128	-5.9	.4
CIVIL	7386	7473	7583	1.2	1.5	5295	5165	5052	-2.5	-2.2	2091	2308	2531	10.4	9.7
ELECTRICAL	13634	12940	12145	-5.1	-5.4	7894	7449	7057	-5.6	-5.3	5740	5391	5088	-6.1	-5.6
ENGINEERING SCIENCE	2149	2011	1846	-6.4	-8.2	1368	1309	1256	-3.7	-4.0	789	702	590	-11.0	-16.0
INDUSTRIAL	5542	5194	5057	-6.3	-2.6	3196	3132	2949	-2.0	-5.8	2346	2062	2108	-12.1	2.2
MECHANICAL	7076	6533	6446	-7.7	-1.3	4359	4171	3967	-4.3	-4.9	2717	2362	2479	-13.1	5.0
METALLURGICAL AND MATERIALS	2088	1996	1913	-4.4	-4.2	1784	1592	1515	-6.6	-4.8	384	404	398	5.2	-1.5
MINING	292	279	331	-4.5	18.6	262	247	299	-5.7	21.1	30	32	32	*	
NUCLEAR	957	932	1012	-2.6	8.6	870	858	879	-1.6	2.4	87	74	133	-14.9	79.7
PETROLEUM	228	221	212	-3.1	-4.1	203	194	184	-4.4	-5.2	25	27	28	*	*
ENGINEERING, NEC	3657	3544	3768	-3.1	6.3	1611	1594	1716	-1.1	7.7	2046	1950	2052	-4.7	5.2
PHYSICAL SCIENCES	33291	32023	31286	-3.8	-2.3	29467	28124	27144	-4.6	-3.5	3824	3899	4142	2.0	6.2
ASTRONOMY	619	613	612	-1.0	-.2	597	564	551	-5.5	-2.3	22	49	61	*	*
ATMOSPHERIC SCIENCES	866	849	859	-2.0	1.2	762	735	760	-3.5	3.4	104	114	99	9.6	-13.2
CHEMISTRY	14616	13673	13251	-6.5	-3.1	12866	11967	11472	-7.0	-4.1	1750	1706	1779	-2.5	4.3
GEOSCIENCES	4683	5064	5175	8.1	2.2	4129	4405	4424	6.7	.4	554	659	751	19.0	14.0
OCEANOGRAPHY	1329	1426	1533	7.3	7.5	1206	1278	1233	6.0	-3.5	123	148	300	20.3	102.7
PHYSICS	11178	10398	9856	-7.0	-5.2	9907	9175	8704	-7.4	-5.1	1271	1223	1152	-3.8	-5.8
MATHEMATICAL SCIENCES	18098	17763	17276	-1.9	-2.7	13201	12761	12182	-3.3	-4.5	4897	5002	5094	2.1	1.8
APPLIED MATHEMATICS	3925	4159	4427	6.0	6.3	2802	2890	2844	3.1	-1.6	1123	1269	1579	13.0	24.4
MATHEMATICS	12840	12284	11502	-4.3	-6.4	9279	8791	8219	-5.3	-6.5	3561	3493	3283	-1.9	-6.0
STATISTICS	1333	1320	1351	-1.0	2.3	1120	1080	1119	-3.6	3.6	213	240	232	12.7	-3.3
LIFE SCIENCES	36799	37171	37914	1.0	2.0	32505	32599	32531	.3	-.2	4294	4572	5383	6.5	17.7
AGRICULTURE	6406	6501	6625	1.5	1.9	5536	5588	5816	.9	4.1	870	913	809	4.9	-11.4
ANATOMY	821	887	867	8.0	-2.3	728	777	781	6.7	.5	93	110	86	18.3	-21.8
BIOCHEMISTRY	3879	3928	3969	1.7	1.4	2915	2846	2868	-2.4	.8	164	182	201	11.0	10.4
BIOLOGY	5750	5644	5794	-2.0	2.7	4832	4773	4525	-1.2	-5.2	927	871	1269	-6.0	45.7
BIOMETRY AND BIOSTATISTICS	216	207	266	-4.2	28.5	187	159	209	-15.0	31.4	29	48	57	*	*
BIOPHYSICS	668	681	672	1.2	-1.3	622	636	639	2.3	.5	38	45	33	18.4	-26.7
BIOSCIENCES, NEC	2513	2663	2641	6.0	-.8	2160	2163	2188	.1	1.2	353	500	453	41.6	-9.4
BOTANY	2370	2365	2388	-.2	1.0	2200	2177	2132	-1.0	-2.1	170	188	256	10.6	36.2
CELL BIOLOGY	418	424	449	3.4	5.9	397	414	440	4.3	6.3	13	10	9	*	*
ECOLOGY	433	492	459	13.6	-6.7	409	457	422	11.7	-7.7	24	35	37	*	*
ENTOMOLOGY AND PARASITOLOGY	1248	1294	1190	3.7	-8.0	1108	1144	1021	3.2	-10.8	140	150	169	7.1	12.7
GENETICS	561	549	536	-2.1	15.8	523	525	593	.4	13.0	38	24	43	*	*
MICROBIOLOGY	2641	2741	2695	3.8	-1.7	2412	2492	2447	3.3	-1.8	229	249	248	8.7	-.4
NUTRITION	1214	1294	1437	6.6	11.1	1126	1160	1256	3.0	8.3	88	134	181	52.3	35.1
PATHOLOGY	492	540	608	9.8	12.6	421	465	526	10.5	13.1	71	75	82	5.6	9.3
PHARMACOLOGY	1031	1093	1068	6.0	-2.3	949	1011	994	6.5	-1.7	82	82	74		-9.8
PHYSIOLOGY	1860	1838	1843	-1.2	.3	1666	1641	1648	-1.5	.4	194	197	195	1.5	-1.0
ZOOLOGY	3671	3431	3405	-6.5	-.8	3305	3127	3016	-5.4	-3.5	366	304	389	-16.9	28.0
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	1414	1499	1802	6.0	20.2	1009	1044	1010	3.5	-3.3	405	455	792	12.3	74.1
PSYCHOLOGY	17022	16864	17153	-.9	1.7	14136	14306	14040	1.2	-1.9	2886	2558	3113	-11.4	21.7
SOCIAL SCIENCES	43711	43745	42854	.1	-2.0	33537	32954	32075	-1.7	-2.7	10174	10791	10779	6.1	-.1
AGRICULTURAL ECONOMICS	1266	1269	1343	.2	5.8	1129	1130	1157	.1	2.4	137	139	186	1.5	33.8
ANTHROPOLOGY	4623	4856	5018	5.0	3.3	4015	4130	4057	2.9	-1.8	608	726	961	19.4	32.4
ECONOMICS (EXCEPT AGRICULTURE)	9124	9151	9229	.3	.9	7018	6917	6742	-1.4	-2.5	2106	2234	2487	6.1	11.3
GEOGRAPHY	2820	2708	2603	-4.0	-.6	2219	2105	1938	-5.1	-7.9	601	603	755	.3	25.2
HISTORY AND PHILOSOPHY OF SCIENCE	2381	2310	2192	-3.0	-5.1	1925	1803	1819	-6.3	.9	456	507	373	11.2	-26.4
LINGUISTICS	2134	2078	2164	-3.0	4.5	1856	1766	1750	-4.8	-.9	278	304	414	9.4	36.2
POLITICAL SCIENCE	10519	10517	10160	-.0	-3.4	7263	7122	7151	-1.9	.4	3256	3395	3009	4.3	-11.4
SOCIOLOGY	9844	9839	9215	-.1	-6.3	7322	7207	6828	-1.6	-5.3	2522	2632	2387	4.4	-9.3
SOCIOLOGY AND ANTHROPOLOGY	918	932	763	2.4	-18.1	706	689	559	-2.4	-18.9	204	243	204	19.1	-16.0
ALL OTHER SCIENCES, NEC	14	19	28	*	*	14	18	28	*	*		1			*

* PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

TABLE C-2. GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS, BY FIELD OF SCIENCE AND LEVEL OF STUDY, 1971-73

AREA AND FIELD OF SCIENCE	FIRST YEAR NUMBER 1971	1972	1973	FIRST YEAR PERCENT CHANGE 1971-72	1972-73	BEYOND FIRST YEAR NUMBER 1971	1972	1973	BEYOND FIRST YEAR PERCENT CHANGE 1971-72	1972-73
TOTAL, ALL FIELDS OF SCIENCE	67710	65074	65257	-3.9	.3	130866	129660	127547	-.9	-1.6
ENGINEERING	20659	19330	20283	-6.4	4.9	28982	27819	26010	-4.0	-6.5
AERONAUTICAL	556	503	496	-9.5	-1.8	996	975	910	-2.1	-6.7
AGRICULTURAL	292	225	219	-22.9	-2.7	425	411	390	-3.3	-5.1
CHEMICAL	1444	1266	1470	-12.3	16.1	2919	2746	2497	-5.9	-9.1
CIVIL	3750	3556	3788	-5.2	6.5	3636	3917	3795	7.7	-3.1
ELECTRICAL	5655	5620	5681	-.6	1.1	7979	7220	6464	-9.5	-10.5
ENGINEERING SCIENCE	864	841	795	-2.7	-5.5	1285	1170	1051	-8.9	-10.2
INDUSTRIAL	2500	2182	2275	-12.7	4.3	3042	3012	2782	-1.0	-7.6
MECHANICAL	3072	2718	2792	-11.5	2.7	4004	3815	3654	-4.7	-4.2
METALLURGICAL AND MATERIALS	555	510	600	-8.1	17.6	1533	1486	1313	-3.1	-11.6
MINING	115	93	121	-19.1	32.3	177	186	208	5.1	11.8
NUCLEAR	335	325	355	-3.0	9.2	622	607	657	-2.4	8.2
PETROLEUM	82	77	88	-6.1	15.6	146	144	123	-1.4	-14.6
ENGINEERING, NEC	1439	1414	1602	-1.7	13.3	2218	2130	2166	-4.0	1.7
PHYSICAL SCIENCES	8868	8344	8270	-5.7	-.9	24443	23679	23016	-3.1	-2.8
ASTRONOMY	139	145	141	4.3	-2.8	488	468	471	-2.5	.6
ATMOSPHERIC SCIENCES	282	263	278	-6.7	5.7	584	586	581	.3	-.9
CHEMISTRY	3748	3403	3490	-9.2	2.6	10868	10270	9761	-5.5	-5.0
GEOSCIENCES	1628	1708	1645	4.9	-3.7	3055	3356	3530	9.9	5.2
OCEANOGRAPHY	458	438	390	-4.4	-11.0	871	988	1143	13.4	15.7
PHYSICS	2593	2387	2326	-7.9	-2.6	8585	8011	7530	-6.7	-6.0
MATHEMATICAL SCIENCES	6960	6711	6342	-3.6	-5.5	11138	11052	10934	-.8	-1.1
APPLIED MATHEMATICS	1557	1601	1751	2.8	9.4	2368	2558	2672	8.0	4.5
MATHEMATICS	4983	4672	4385	-6.2	-10.9	7857	7612	7337	-3.1	-3.6
STATISTICS	420	438	426	4.3	-2.7	913	882	925	-3.4	4.9
LIFE SCIENCES	10992	11436	12110	4.0	5.9	25807	25735	25804	-.3	.3
AGRICULTURE	2167	2264	2292	4.5	1.2	4239	4237	4333	-.8	2.3
ANATOMY	216	279	243	29.2	-12.9	605	608	624	.5	2.6
BIOCHEMISTRY	734	801	793	9.1	-1.0	2345	2227	2276	-5.0	2.2
BIOLOGY	1682	1713	1989	1.8	16.1	4077	3931	3805	-3.6	-3.2
BIOMETRY AND BIOSTATISTICS	76	72	94	-5.3	30.6	140	135	172	-3.6	27.4
BIOPHYSICS	143	167	139	16.8	-16.8	517	514	533	-.6	3.7
BIOSCIENCES, NEC	811	846	914	4.3	8.0	1702	1817	1727	6.8	-5.0
BOTANY	556	623	652	12.1	4.7	1814	1742	1736	-4.0	-.3
CELL BIOLOGY	97	105	114	8.2	8.6	313	319	335	1.9	5.0
ECOLOGY	147	106	142	-27.9	34.0	286	386	317	35.0	-17.9
ENTOMOLOGY AND PARASITOLOGY	316	281	288	-11.1	2.5	932	1013	902	8.7	-11.0
GENETICS	132	138	157	4.5	13.8	429	411	479	-4.2	16.5
MICROBIOLOGY	789	836	826	6.0	-1.2	1852	1905	1869	2.9	-1.9
NUTRITION	428	468	524	9.3	12.0	786	826	913	5.1	10.5
PATHOLOGY	161	208	201	29.2	-3.4	331	332	407	.3	22.6
PHARMACOLOGY	248	308	288	24.2	-6.5	783	785	788	.3	-.6
PHYSIOLOGY	531	592	596	11.5	.7	1329	1246	1247	-6.2	.1
ZOOLOGY	1171	944	884	-19.4	-6.4	2588	2487	2521	-.5	1.4
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	587	685	974	16.7	42.2	827	814	828	-1.6	1.7
PSYCHOLOGY	5016	4788	4554	-4.5	-4.9	12086	12076	12599	.6	4.3
SOCIAL SCIENCES	15234	14461	13889	-5.1	-5.3	28477	29284	29165	2.8	-.4
AGRICULTURAL ECONOMICS	473	417	414	-11.8	-.7	793	852	929	7.4	9.0
ANTHROPOLOGY	1407	1386	1393	-1.5	.5	3216	3470	3625	7.9	4.5
ECONOMICS (EXCEPT AGRICULTURE)	3183	3048	3091	-4.2	1.4	5941	6183	6138	2.7	-.6
GEOGRAPHY	957	901	897	-5.9	-.4	1863	1807	1796	-3.0	-.6
HISTORY AND PHILOSOPHY OF SCIENCE	700	631	597	-9.9	-5.4	1681	1679	1595	-.1	-5.0
LINGUISTICS	688	656	663	-4.7	1.1	1446	1414	1501	-2.2	6.2
POLITICAL SCIENCE	3949	3852	3822	-2.5	-.8	6578	6665	6538	1.4	-1.9
SOCIOLOGY	3464	3121	2708	-9.9	-13.2	6388	6718	6507	5.3	-3.1
SOCIOLOGY AND ANTHROPOLOGY	387	430	292	11.1	-32.1	523	502	471	-4.0	-6.2
ALL OTHER SCIENCES, NEC	1	4	9	*	*	13	15	19	*	*

* PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

TABLE C-3. GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS IN PUBLICLY CONTROLLED INSTITUTIONS, BY FIELD OF SCIENCE AND LEVEL OF STUDY: 1971-73

AREA AND FIELD OF SCIENCE	FIRST YEAR NUMBER 1971	1972	1973	FIRST YEAR PERCENT CHANGE 1971-72	1972-73	BEYOND FIRST YEAR NUMBER 1971	1972	1973	BEYOND FIRST YEAR PERCENT CHANGE 1971-72	1972-73
TOTAL, ALL FIELDS OF SCIENCE	48130	46369	45957	-3.7	-.9	90483	90376	89315	-.1	-1.2
ENGINEERING	13767	12792	13101	-7.0	2.4	18301	17590	17028	-3.9	-3.2
AERONAUTICAL	426	370	361	-13.1	-2.4	736	730	678	-.8	-7.1
AGRICULTURAL	286	220	196	-23.1	-10.9	412	397	372	-3.6	-6.3
CHEMICAL	960	838	931	-12.7	11.3	2044	1982	1696	-7.1	-10.8
CIVIL	2865	2670	2811	-6.8	5.3	2688	2878	2901	7.4	.8
ELECTRICAL	3488	3433	3319	-1.6	-3.3	4494	4072	3975	-9.4	-2.4
ENGINEERING SCIENCE	741	706	657	-4.7	-6.9	862	751	705	-10.8	-6.1
INDUSTRIAL	1393	1262	1186	-9.4	-6.0	1588	1569	1583	-1.2	.9
MECHANICAL	2021	1811	1894	-10.4	4.7	2889	2618	2524	-6.8	-3.6
METALLURGICAL AND MATERIALS	323	300	356	-7.1	18.0	857	864	793	.8	-8.2
MINING	99	85	107	-14.1	25.9	139	165	156	18.7	-5.5
NUCLEAR	277	261	295	-5.8	13.0	507	503	541	-.8	7.6
PETROLEUM	67	54	58	-19.4	7.4	95	102	77	7.4	-26.5
ENGINEERING, NEC	816	782	936	-4.2	19.4	1096	1060	1027	-3.1	-3.2
PHYSICAL SCIENCES	6432	6036	5971	-6.2	-1.0	16742	16607	15911	-2.2	-3.0
ASTRONOMY	100	108	110	8.0	1.9	344	349	336	1.5	-3.7
ATMOSPHERIC SCIENCES	249	233	248	-6.4	6.4	499	492	507	-1.4	3.0
CHEMISTRY	2679	2622	2687	-2.6	2.7	7470	7202	6811	-3.6	-5.4
GEOSCIENCES	1271	1344	1288	5.7	-4.2	2284	2461	2627	7.7	6.7
OCEANOGRAPHY	333	316	279	-5.1	-11.7	761	817	940	10.3	15.1
PHYSICS	1800	1611	1559	-10.5	-3.2	5444	5086	4690	-6.6	-7.8
MATHEMATICAL SCIENCES	4955	4817	4479	-2.8	-7.0	8082	8016	7929	-.8	-1.1
APPLIED MATHEMATICS	1195	1269	1327	6.2	4.6	1804	1928	1980	6.9	2.7
MATHEMATICS	3403	3173	2796	-6.8	-11.9	5510	5344	5194	-3.0	-2.8
STATISTICS	357	375	357	5.0	-4.8	768	744	755	-3.1	1.5
LIFE SCIENCES	9016	9138	9757	1.4	6.8	20450	20573	20755	.6	1.5
AGRICULTURE	2121	2220	2266	4.7	1.1	4143	4139	4234	-.1	2.3
ANATOMY	143	207	162	44.8	-21.7	401	390	390	-2.7	
BIOCHEMISTRY	523	580	577	10.9	-.5	1648	1592	1629	-3.4	2.3
BIOLOGY	966	980	1148	1.4	17.1	2303	2297	1958	-.3	-14.8
BIOMETRY AND BIOSTATISTICS	60	54	80	-10.0	48.1	108	102	137	-5.6	34.3
BIOPHYSICS	87	99	82	13.8	-17.2	320	312	308	-2.5	-1.3
BIOSCIENCES, NEC	711	642	725	-9.7	12.9	1304	1444	1418	10.7	-2.4
BOTANY	514	570	601	10.9	5.4	1700	1607	1594	-5.5	-.8
CELL BIOLOGY	68	62	68	-8.8	9.7	201	207	199	3.0	-3.9
ECOLOGY	124	98	127	-21.0	26.5	265	333	272	35.9	-18.3
ENTOMOLOGY AND PARASITOLOGY	298	272	279	-8.7	2.6	867	953	847	9.9	-11.1
GENETICS	110	115	134	4.5	16.3	342	363	405	-5.0	11.6
MICROBIOLOGY	657	647	662	-1.5	2.3	1481	1499	1424	1.2	-5.0
NUTRITION	336	340	402	1.8	18.2	631	640	732	1.4	14.4
PATHOLOGY	114	132	131	15.8	-.8	186	191	254	2.7	33.0
PHARMACOLOGY	172	207	211	20.3	2.9	552	563	534	2.0	-5.2
PHYSIOLOGY	412	463	451	12.4	-2.2	926	925	900	-.1	-2.7
ZOOLOGY	1128	923	852	-18.2	-7.7	2407	2395	2417	-.5	.9
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	472	527	814	11.7	55.2	665	621	611	-3.7	-1.6
PSYCHOLOGY	3258	3627	2965	5.2	-14.1	8111	8226	8552	1.4	4.0
SOCIAL SCIENCES	10708	10157	9696	-5.1	-4.5	18744	19549	19621	4.3	.4
AGRICULTURAL ECONOMICS	448	384	387	-12.7	.8	750	810	871	8.0	7.5
ANTHROPOLOGY	1026	1018	987	-.8	-3.0	2273	2484	2669	9.3	7.4
ECONOMICS (EXCEPT AGRICULTURE)	2126	2031	2036	-4.5	.1	3706	3861	4022	4.2	4.2
GEOGRAPHY	835	785	769	-6.0	-2.0	1612	1552	1584	-3.7	2.1
HISTORY AND PHILOSOPHY OF SCIENCE	426	367	327	-13.8	-10.9	1000	987	888	-1.3	-10.8
LINGUISTICS	543	523	529	-3.7	1.1	1079	1076	1166	-.3	8.4
POLITICAL SCIENCE	2697	2561	2535	-5.0	-1.0	3953	4004	3797	2.8	-6.6
SOCIOLOGY	2310	2112	1895	-8.6	-10.3	4013	4347	4265	8.3	-1.9
SOCIOLOGY AND ANTHROPOLOGY	288	365	226	26.7	-38.6	327	328	328	.3	
ALL OTHER SCIENCES, NEC	1	4	9	*	*	13	15	19	*	*

* PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

TABLE C-6. GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS IN PRIVATELY CONTROLLED INSTITUTIONS, BY FIELD OF SCIENCE AND LEVEL OF STUDY, 1971-73

AREA AND FIELD OF SCIENCE	FIRST YEAR					BEYOND FIRST YEAR				
		NUMBER		PERCENT CHANGE			NUMBER		PERCENT CHANGE	
	1971	1972	1973	1971-72	1972-73	1971	1972	1973	1971-72	1972-73
TOTAL, ALL FIELDS OF SCIENCE	19580	18705	19308	-4.5	3.2	40383	39284	38232	-2.7	-2.7
ENGINEERING	6897	6538	7182	-5.2	9.9	10681	10229	8982	-4.2	-12.2
AERONAUTICAL	130	133	131	2.3		240	245	232	-5.8	-5.3
AGRICULTURAL	6	5	23	*	*	13	14	18	*	*
CHEMICAL	484	428	537	-11.6	25.5	873	845	801	-3.2	-5.2
CIVIL	885	886	977	.1	10.3	956	1039	894	8.7	-14.0
ELECTRICAL	2167	2187	2368	.9	8.3	3485	3148	2489	-9.7	-20.9
ENGINEERING SCIENCE	123	135	134	9.8	2.2	463	419	346	-5.4	-17.4
INDUSTRIAL	1107	920	1089	-16.9	18.4	1456	1443	1199	-.8	-16.9
MECHANICAL	1051	987	896	-13.1	-1.2	1195	1197	1138	.2	-5.6
METALLURGICAL AND MATERIALS	232	210	244	-9.5	17.1	676	622	520	-8.0	-16.4
MINING	16	8	16	*	*	38	21	52	*	*
NUCLEAR	58	66	68	10.3	-6.3	115	104	116	-9.6	11.5
PETROLEUM	19	23	31	*	*	51	42	46	-17.6	*
ENGINEERING, NEC	623	632	668	1.4	5.7	1122	1090	1139	-2.9	4.5
PHYSICAL SCIENCES	2416	2310	2299	-4.4	-.5	7661	7272	7105	-5.1	-2.3
ASTRONOMY	39	37	31	*	*	136	119	135	-12.5	13.4
ATMOSPHERIC SCIENCES	33	30	36	*	*	85	94	74	10.6	-21.3
CHEMISTRY	1069	981	1001	-8.2	2.2	3398	3068	2950	-9.7	-3.8
GEOSCIENCES	357	364	357	3.9	-1.9	771	895	903	16.1	.9
OCEANOGRAPHY	125	122	111	-2.4	-9.0	130	171	203	31.5	18.7
PHYSICS	793	776	767	-2.1	-1.2	3141	2925	2840	-6.9	-2.9
MATHEMATICAL SCIENCES	2005	1894	1864	-5.5	-1.6	3056	3036	3005	-.7	-1.0
APPLIED MATHEMATICS	362	332	424	-8.3	27.7	564	630	692	11.7	9.8
MATHEMATICS	1548	1499	1371	-3.1	-8.5	2347	2268	2143	-3.4	-5.5
STATISTICS	63	63	69		9.5	145	138	170	-4.8	23.2
LIFE SCIENCES	1978	2299	2353	16.2	2.4	5357	5162	5549	-3.6	7.5
AGRICULTURE	46	44	44	*	*	96	98	99	2.1	1.0
ANATOMY	73	72	81	-1.4	12.5	204	218	234	6.9	7.3
BIOCHEMISTRY	211	221	214	4.7	-2.3	697	635	647	-8.9	1.9
BIOLOGY	716	733	841	2.4	14.7	1774	1634	1847	-7.9	13.0
BIOMETRY AND BIOSTATISTICS	16	18	14	*	*	32	33	35	*	*
BIOPHYSICS	56	68	57	21.4	-16.2	197	202	225	2.5	11.4
BIOSCIENCES, NEC	100	204	189	104.0	-7.4	398	373	317	-6.3	-15.0
BOTANY	42	53	51	*	-3.8	114	135	142	18.4	5.2
CELL BIOLOGY	29	43	44	*	*	112	112	136		21.4
ECOLOGY	23	8	20	*	*	41	53	45	*	-15.1
ENTOMOLOGY AND PARASITOLOGY	18	9	9	*		65	60	55	-7.7	-8.3
GENETICS	22	23	21	*	*	67	68	74	*	*
MICROBIOLOGY	132	149	164	43.2	-13.2	371	406	445	9.4	9.6
NUTRITION	94	128	122	36.2	-4.7	155	186	181	20.0	-2.7
PATHOLOGY	67	76	68	*	-10.5	145	141	153	-2.8	8.5
PHARMACOLOGY	76	101	75	32.9	-25.7	231	222	246	-3.9	10.8
PHYSIOLOGY	119	129	143	8.4	10.9	403	321	347	-20.3	8.1
ZOOLOGY	43	21	32	*	*	93	92	104	-1.1	13.0
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	115	158	156	37.4	-1.3	182	193	217	6.0	12.4
PSYCHOLOGY	1758	1361	1409	-22.6	18.2	3895	3850	4047	-1.2	5.1
SOCIAL SCIENCES	4526	4304	3991	-4.9	-7.2	9733	9735	9544	.0	-2.0
AGRICULTURAL ECONOMICS	33	33	27		*	43	42	58	*	*
ANTHROPOLOGY	381	368	404	-3.4	10.3	943	986	956	4.6	-3.0
ECONOMICS (EXCEPT AGRICULTURE)	1057	1017	1057	-3.8	3.9	2235	2242	2116	.3	-5.6
GEOGRAPHY	122	116	128	-4.9	10.3	251	255	212	1.6	-16.9
HISTORY AND PHILOSOPHY OF SCIENCE	274	284	270	-3.6	2.3	681	692	715	1.6	3.3
LINGUISTICS	145	133	134	-8.3	.8	367	338	335	-7.9	-.9
POLITICAL SCIENCE	1252	1291	1087	3.1	-15.8	2617	2601	2741	-.6	5.4
SOCIOLOGY	1154	1009	811	-12.6	-19.4	2367	2371	2242	.2	-5.4
SOCIOLOGY AND ANTHROPOLOGY	99	65	68	-34.3	4.6	196	174	143	-11.2	-17.8
ALL OTHER SCIENCES, NEC										

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TABLE C-5. FULL-TIME GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS, BY FIELD OF SCIENCE AND LEVEL OF STUDY, 1971-73

AREA AND FIELD OF SCIENCE	FIRST YEAR NUMBER 1971	1972	1973	FIRST YEAR PERCENT CHANGE 1971-72	1972-73	BEYOND FIRST YEAR NUMBER 1971	1972	1973	BEYOND FIRST YEAR PERCENT CHANGE 1971-72	1972-73
TOTAL, ALL FIELDS OF SCIENCE	51611	49617	48967	-3.9	-1.3	103029	101435	98338	-1.5	-3.1
ENGINEERING	12966	12343	12561	-4.8	1.8	18814	17947	16744	-4.6	-6.7
AERONAUTICAL	465	485	374	-12.0	-7.7	790	759	702	-3.9	-7.5
AGRICULTURAL	264	194	284	-26.5	3.1	337	332	316	-1.5	-4.8
CHEMICAL	1038	934	1080	-10.0	15.6	2132	1955	1759	-8.3	-10.0
CIVIL	2745	2556	2720	-6.9	6.4	2550	2609	2332	2.3	-10.6
ELECTRICAL	3165	3040	3051	-3.9	.4	4729	4409	4006	-6.8	-9.1
ENGINEERING SCIENCE	343	408	424	19.0	3.9	1017	981	832	-11.4	-7.7
INDUSTRIAL	1467	1465	1345	-.1	-8.2	1729	1667	1604	-3.6	-3.8
MECHANICAL	1809	1749	1681	-3.3	-3.9	2550	2422	2286	-5.0	-5.6
METALLURGICAL AND MATERIALS	454	428	492	-5.7	15.0	1250	1164	1023	-6.9	-12.1
MINING	101	79	117	-21.8	48.1	161	168	182	4.3	8.3
NUCLEAR	325	310	324	-4.6	4.5	545	548	555	.6	1.3
PETROLEUM	71	67	77	-5.6	14.9	132	117	107	-3.8	-15.7
ENGINEERING, NEC	719	708	674	-1.5	-4.5	892	886	1040	-.7	17.4
PHYSICAL SCIENCES	7829	7377	7306	-5.8	-1.0	21638	20747	19838	-4.1	-4.4
ASTRONOMY	134	129	127	-3.7	-1.6	463	435	424	-6.0	-2.5
ATMOSPHERIC SCIENCES	263	249	257	-5.3	3.2	499	486	503	-2.6	3.5
CHEMISTRY	3239	2939	3019	-9.3	2.7	9627	9028	8453	-6.2	-6.4
GEOSCIENCES	1484	1547	1515	4.2	-2.1	2645	2858	2909	8.1	1.8
OCEANOGRAPHY	402	406	328	1.0	-21.2	804	872	913	8.5	4.7
PHYSICS	2307	2107	2064	-8.7	-1.9	7600	7068	6636	-7.0	-6.1
MATHEMATICAL SCIENCES	4758	4391	4169	-7.7	-5.1	8443	8370	8013	-.9	-4.3
APPLIED MATHEMATICS	1067	1017	1040	-4.7	3.1	1735	1873	1795	8.0	-4.2
MATHEMATICS	3355	3048	2767	-9.4	-9.1	5924	5751	5456	-2.9	-5.1
STATISTICS	336	334	357	-.6	6.9	784	746	762	-4.8	2.1
LIFE SCIENCES	9764	10018	10259	2.6	2.4	22741	22582	22272	-.7	-1.4
AGRICULTURE	1960	2058	2135	5.0	3.7	3576	3530	3681	-1.3	4.3
ANATOMY	188	248	225	31.9	-9.3	540	529	556	-2.0	5.1
BIOCHEMISTRY	691	748	744	8.2	-.5	2224	2098	2122	-5.7	1.1
BIOLOGY	1413	1442	1536	2.1	6.5	3419	3331	2989	-2.6	-10.3
BIOMETRY AND BIOSTATISTICS	67	56	78	-16.4	39.3	129	103	131	-14.2	27.2
BIOPHYSICS	138	161	131	16.7	-18.6	484	475	508	-1.9	6.9
BIOSCIENCES, NEC	708	712	782	.6	4.2	1452	1451	1446	-.1	-.3
BOTANY	537	587	612	9.3	4.3	1663	1590	1520	-4.4	-4.4
CELL BIOLOGY	94	103	111	9.6	7.8	303	311	329	2.6	5.8
ECOLOGY	139	99	132	-28.8	33.3	270	358	298	32.6	-19.0
ENTOMOLOGY AND PARASITOLOGY	288	268	269	-6.9	.4	820	876	752	6.8	-14.2
GENETICS	121	132	141	9.1	6.8	402	393	452	-2.2	15.0
MICROBIOLOGY	714	752	757	5.3	.7	1698	1740	1690	2.5	-2.9
NUTRITION	404	431	442	6.7	2.6	722	729	814	1.0	11.7
PATHOLOGY	128	168	176	31.3	4.8	293	297	350	1.4	17.8
PHARMACOLOGY	219	281	265	28.3	-5.7	730	730	729		-.1
PHYSIOLOGY	469	533	522	13.6	-2.1	1197	1108	1126	-7.4	1.6
ZOOLOGY	1072	882	830	-17.7	-4.9	2233	2245	2177	.5	-3.0
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	414	357	400	-13.8	12.0	595	687	610	15.5	-11.2
PSYCHOLOGY	4189	4222	3920	.8	-7.2	9947	10084	10120	1.4	.4
SOCIAL SCIENCES	12184	11262	10743	-7.0	-4.6	21433	21692	21332	1.2	-1.7
AGRICULTURAL ECONOMICS	441	392	386	-11.1	-1.5	688	738	771	7.3	4.5
ANTHROPOLOGY	1233	1212	1191	-1.7	-1.6	2782	2918	2864	4.9	-1.9
ECONOMICS (EXCEPT AGRICULTURE)	2556	2398	2387	-6.2	-.5	4462	4519	4355	1.3	-3.6
GEOGRAPHY	882	757	721	-5.6	-4.8	1417	1348	1217	-4.9	-9.7
HISTORY AND PHILOSOPHY OF SCIENCE	569	515	509	-9.5	-1.2	1356	1288	1310	-5.0	1.7
LINGUISTICS	620	588	567	-5.2	-3.6	1236	1178	1183	-4.7	.4
POLITICAL SCIENCE	2815	2669	2669	-5.2		4448	4453	4482	.1	.7
SOCIOLOGY	2731	2379	2079	-12.9	-12.6	4591	4828	4749	5.2	-1.6
SOCIOLOGY AND ANTHROPOLOGY	314	333	220	6.1	-33.9	392	356	339	-9.2	-4.8
ALL OTHER SCIENCES, NEC	1	4	9	•	•	13	14	19	•	•

• PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

TABLE C-6. FULL-TIME GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS IN PUBLICLY CONTROLLED INSTITUTIONS, BY FIELD OF SCIENCE AND LEVEL OF STUDY, 1971-73

AREA AND FIELD OF SCIENCE	FIRST YEAR NUMBER 1971	1972	1973	FIRST YEAR PERCENT CHANGE 1971-72	1972-73	BEYOND FIRST YEAR NUMBER 1971	1972	1973	BEYOND FIRST YEAR PERCENT CHANGE 1971-72	1972-73
TOTAL, ALL FIELDS OF SCIENCE	38454	36758	36036	-4.4	-1.9	74686	73842	71555	-1.1	-3.1
ENGINEERING	9038	8472	8572	-6.2	1.2	12775	12174	11533	-4.7	-5.3
AERONAUTICAL	359	303	277	-15.6	-8.6	560	560	513		-8.4
AGRICULTURAL	258	189	177	-26.7	-6.3	324	318	309	-1.9	-2.8
CHEMICAL	657	603	694	-8.2	5.4	1466	1332	1198	-9.1	-10.1
CIVIL	2130	1946	2041	-8.6	4.9	1888	1957	1810	3.7	-7.5
ELECTRICAL	2083	1916	1935	-8.0	1.0	3037	2779	2627	-8.5	-5.5
ENGINEERING SCIENCE	238	289	305	21.4	5.5	632	536	535	-15.2	-.2
INDUSTRIAL	896	943	860	5.2	-8.8	1155	1068	1078	-7.5	.9
MECHANICAL	1271	1216	1188	-4.3	-2.3	1823	1728	1571	-5.2	-9.1
METALLURGICAL AND MATERIALS	259	250	286	-3.5	14.4	706	685	634	-3.0	-7.4
MINING	85	71	101	-16.5	42.3	123	147	131	19.5	-10.9
NUCLEAR	271	247	264	-8.9	7.7	448	456	447	3.6	-2.0
PETROLEUM	56	46	51	-17.9	*	81	88	66	8.6	-25.0
ENGINEERING, NEC	467	453	389	-3.0	-14.1	548	520	614	-3.7	18.1
PHYSICAL SCIENCES	5799	5467	5394	-5.7	-1.3	15156	14624	13975	-3.5	-4.4
ASTRONOMY	96	94	96	-2.1	2.1	329	319	292	-3.0	-8.5
ATMOSPHERIC SCIENCES	235	224	237	-4.7	5.8	458	439	464	-4.1	5.7
CHEMISTRY	2381	2166	2208	-9.0	1.9	6779	6494	6087	-4.2	-6.3
GEOSCIENCES	1147	1228	1200	7.1	-2.3	1939	2051	2149	5.8	4.8
OCEANOGRAPHY	318	307	245	-3.5	-20.2	684	730	739	6.7	1.2
PHYSICS	1622	1448	1404	-10.7	-2.8	4967	4591	4244	-7.6	-7.6
MATHEMATICAL SCIENCES	3760	3402	3259	-9.5	-4.2	6451	6364	6140	-1.3	-3.5
APPLIED MATHEMATICS	861	811	859	-5.8	5.9	1336	1427	1358	6.8	-4.8
MATHEMATICS	2621	2317	2107	-11.6	-9.1	4460	4319	4168	-3.2	-3.5
STATISTICS	278	274	293	-1.4	6.9	655	618	614	-5.6	-.6
LIFE SCIENCES	8028	8053	8354	.3	3.8	17891	17940	17622	.3	-1.8
AGRICULTURE	1914	2014	2088	5.2	3.7	3489	3441	3586	-1.4	4.2
ANATOMY	120	178	150	48.3	-15.7	349	326	342	-6.6	4.9
BIOCHEMISTRY	483	536	544	11.0	1.7	1551	1492	1520	-3.8	1.9
BIOLOGY	818	840	953	2.7	13.5	1895	1938	1645	2.3	-15.1
BIOMETRY AND BIOSTATISTICS	52	42	69	-19.2	*	95	81	108	-14.7	33.3
BIOPHYSICS	84	94	74	11.9	-21.3	288	276	286	-4.2	3.6
BIOSCIENCES, NEC	621	526	595	-15.3	13.1	1077	1109	1163	3.0	4.9
BOTANY	495	534	561	7.9	5.1	1552	1464	1391	-5.7	-5.0
CELL BIOLOGY	65	60	65	-7.7	8.3	192	201	195	4.7	-3.0
ECOLOGY	116	91	112	-21.6	23.1	229	305	245	33.2	-19.7
ENTOMOLOGY AND PARASITOLOGY	271	259	260	-4.4	.4	755	816	697	8.1	-14.6
GENETICS	101	110	123	8.9	11.8	358	346	385	-3.4	11.3
MICROBIOLOGY	600	601	616	.2	2.5	1373	1374	1299	.1	-5.5
NUTRITION	313	309	323	-1.3	4.5	575	548	638	-4.7	16.4
PATHOLOGY	90	108	110	20.0	1.9	158	169	218	7.0	29.0
PHARMACOLOGY	160	195	200	21.9	2.6	532	538	500	1.1	-7.1
PHYSIOLOGY	362	418	391	15.5	-6.5	836	828	829	-1.0	.1
ZOOLOGY	1034	861	807	-16.7	-6.3	2145	2154	2087	.4	-3.1
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	329	277	318	-15.8	14.8	442	534	488	20.8	-8.6
PSYCHOLOGY	3055	3214	2744	5.2	-14.6	7491	7534	7478	.6	-.7
SOCIAL SCIENCES	8781	8138	7702	-7.3	-5.4	14909	15192	14788	1.9	-2.7
AGRICULTURAL ECONOMICS	408	359	359	-12.0		645	696	713	7.9	2.4
ANTHROPOLOGY	921	912	858	-1.0	-5.9	2021	2161	2121	6.9	-1.9
ECONOMICS (EXCEPT AGRICULTURE)	1778	1648	1620	-7.3	-1.7	2998	3043	3033	1.8	-.3
GEOGRAPHY	719	671	623	-5.5	-7.2	1229	1161	1081	-5.5	-6.9
HISTORY AND PHILOSOPHY OF SCIENCE	372	317	302	-14.8	-4.7	858	789	758	-8.0	-3.9
LINGUISTICS	496	471	458	-5.0	-2.8	931	900	903	-3.3	.3
POLITICAL SCIENCE	1901	1741	1813	-8.4	4.1	2775	2810	2653	1.3	-5.6
SOCIOLOGY	1958	1731	1493	-11.6	-13.7	3193	3368	3237	5.5	-3.9
SOCIOLOGY AND ANTHROPOLOGY	223	277	167	24.2	-39.7	239	231	252	-3.3	9.1
ALL OTHER SCIENCES, NEC	1	4	9	*	*	13	14	19	*	*

* PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

TABLE C-7. FULL-TIME GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS IN PRIVATELY CONTROLLED INSTITUTIONS, BY FIELD OF SCIENCE AND LEVEL OF STUDY, 1971-73

AREA AND FIELD OF SCIENCE	FIRST YEAR NUMBER 1971	1972	1973	PERCENT CHANGE 1971-72	1972-73	BEYOND FIRST YEAR NUMBER 1971	1972	1973	PERCENT CHANGE 1971-72	1972-73
TOTAL, ALL FIELDS OF SCIENCE	13157	12867	12931	-2.2	.5	28743	27593	26783	-2.6	-2.9
ENGINEERING	3936	3871	3989	-1.7	3.0	6039	5773	5211	-4.4	-9.7
AERONAUTICAL	106	102	97	-3.8	-4.9	230	199	188	-13.5	-5.0
AGRICULTURAL	6	5	23	*	*	13	14	7	*	*
CHEMICAL	381	331	384	-13.1	16.0	666	623	561	-6.5	-10.0
CIVIL	615	610	679	-.8	11.3	662	652	522	-1.5	-19.9
ELECTRICAL	1082	1124	1114	3.9	-.7	1692	1630	1379	-3.7	-15.4
ENGINEERING SCIENCE	105	119	119	13.3		385	365	297	-5.2	-18.6
INDUSTRIAL	571	522	485	-8.6	-7.1	574	599	526	4.4	-12.2
MECHANICAL	538	533	493	-.9	-7.5	727	694	715	-4.5	3.0
METALLURGICAL AND MATERIALS	195	178	204	-8.7	15.7	544	479	389	-11.9	-18.8
MINING	16	8	16	*	*	38	21	51	*	*
NUCLEAR	54	63	58	16.7	-7.9	105	92	108	-12.4	17.4
PETROLEUM	15	21	24	*	*	51	39	41	-23.5	*
ENGINEERING, NEC	252	255	287	1.2	12.5	352	366	426	4.0	16.4
PHYSICAL SCIENCES	2030	1910	1912	-5.9	.1	6482	6123	5863	-5.5	-4.2
ASTRONOMY	38	35	31	*	*	134	116	132	-13.4	13.8
ATMOSPHERIC SCIENCES	28	25	20	-10.7	-20.0	41	47	39	*	*
CHEMISTRY	858	773	811	-9.9	4.9	2848	2534	2366	-11.0	-6.6
GEOSCIENCES	337	319	315	-5.3	-1.3	706	807	760	14.3	-5.8
OCEANOGRAPHY	84	99	75	17.9	-24.2	120	142	174	18.3	22.5
PHYSICS	685	659	660	-3.8	.2	2633	2477	2392	-5.9	-3.4
MATHEMATICAL SCIENCES	998	989	910	-.9	-8.0	1992	2006	1873	.7	-6.6
APPLIED MATHEMATICS	206	206	190		-7.8	399	446	437	11.8	-2.0
MATHEMATICS	734	723	654	-1.5	-9.3	1464	1432	1288	-2.2	-10.1
STATISTICS	58	60	64	3.4	6.7	129	128	148	-.8	15.6
LIFE SCIENCES	1736	1965	1903	13.2	-3.2	4850	4641	4650	-4.3	.2
AGRICULTURE	46	44	47	*	*	87	89	95	2.3	6.7
ANATOMY	68	70	75	2.9	7.1	191	203	214	6.3	5.4
BIOCHEMISTRY	208	212	201	1.9	-5.2	673	606	602	-10.0	-.7
BIOLOGY	595	602	583	1.2	-3.2	1524	1393	1344	-8.6	-3.5
BIOMETRY AND BIOSTATISTICS	15	14	11	*	*	25	22	23	*	*
BIOPHYSICS	54	67	57	24.1	-14.9	196	199	222	1.5	11.6
BIOSCIENCES, NEC	87	186	147	113.8	-21.0	375	342	283	-8.8	-17.3
BOTANY	42	53	51	*	-3.8	111	126	129	13.5	2.4
CELL BIOLOGY	29	43	46	*	*	111	110	134	-.9	21.8
ECOLOGY	23	8	20	*	*	41	53	45	*	-15.1
ENTOMOLOGY AND PARASITOLOGY	17	9	9	*		65	60	55	-7.7	-8.3
GENETICS	20	22	14	*	*	44	47	67	*	*
MICROBIOLOGY	114	151	141	32.5	-6.6	325	366	391	12.6	6.8
NUTRITION	91	122	119	34.1	-2.5	147	181	176	23.1	-2.8
PATHOLOGY	38	60	66	*	10.0	135	128	132	-5.2	3.1
PHARMACOLOGY	59	86	69	45.8	-24.4	198	192	229	-3.0	19.3
PHYSIOLOGY	107	115	131	7.5	13.9	361	280	297	-22.4	6.1
ZOOLOGY	38	21	32	*	*	88	91	90	3.4	-1.1
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	85	80	82	-5.9	2.5	153	153	122		-20.3
PSYCHOLOGY	1134	1008	1176	-11.1	16.7	2456	2550	2642	3.8	3.6
SOCIAL SCIENCES	3323	3124	3041	-6.0	-2.7	6524	6500	6544	-.4	.7
AGRICULTURAL ECONOMICS	33	33	27		*	43	42	58	*	*
ANTHROPOLOGY	312	300	335	-3.8	11.7	761	757	743	-.5	-1.8
ECONOMICS (EXCEPT AGRICULTURE)	778	750	767	-3.6	2.3	1472	1476	1322	.3	-10.4
GEOGRAPHY	92	86	98	-6.5	14.0	188	187	136	-.5	-27.3
HISTORY AND PHILOSOPHY OF SCIENCE	197	198	207	.5	4.5	498	499	552	.2	10.6
LINGUISTICS	124	117	109	-5.6	-6.8	305	278	280	-8.9	.7
POLITICAL SCIENCE	914	928	856	1.5	-7.8	1673	1643	1829	-1.8	11.3
SOCIOLOGY	773	648	586	-16.2	-9.6	1398	1460	1512	4.4	3.6
SOCIOLOGY AND ANTHROPOLOGY	91	56	51	-38.5	-5.4	153	125	87	-18.3	-30.4
ALL OTHER SCIENCES, NEC										

* PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

TABLE C-8. PART-TIME GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS, BY FIELD OF SCIENCE AND LEVEL OF STUDY, 1971-73

AREA AND FIELD OF SCIENCE	FIRST YEAR					BEYOND FIRST YEAR				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1971	1972	1973	1971-72	1972-73	1971	1972	1973	1971-72	1972-73
TOTAL, ALL FIELDS OF SCIENCE	16099	15457	16298	-4.0	5.4	27837	28225	29209	1.4	3.5
ENGINEERING	7693	6987	7722	-9.2	10.5	10168	9872	9266	-2.9	-6.1
AERONAUTICAL	91	98	126	7.7	22.4	206	216	208	4.9	-3.7
AGRICULTURAL	28	31	19	•	•	88	79	74	-10.2	-6.3
CHEMICAL	406	332	390	-18.2	17.5	787	791	738	.5	-6.7
CIVIL	1005	1000	1068	-.5	6.8	1086	1308	1463	20.4	11.9
ELECTRICAL	2490	2580	2630	3.6	1.9	3250	2811	2458	-13.5	-12.6
ENGINEERING SCIENCE	521	433	371	-16.9	-14.3	268	269	219	.4	-18.6
INDUSTRIAL	1033	717	930	-30.6	29.7	1313	1345	1178	2.4	-12.4
MECHANICAL	1263	969	1111	-23.3	14.7	1454	1393	1368	-4.2	-1.8
METALLURGICAL AND MATERIALS	101	82	108	-18.8	31.7	283	322	290	13.8	-9.9
MINING	14	14	6	•	•	16	18	26	•	•
NUCLEAR	10	15	31	•	•	77	59	102	-23.4	72.9
PETROLEUM	11	10	12	•	•	14	17	16	•	•
ENGINEERING, NEC	720	706	924	-1.9	31.2	1326	1244	1126	-6.2	-9.5
PHYSICAL SCIENCES	1019	967	964	-5.1	-.3	2805	2932	3178	4.5	8.4
ASTRONOMY	5	16	14	•	•	17	33	47	•	•
ATMOSPHERIC SCIENCES	19	14	21	•	•	85	100	78	17.6	-22.0
CHEMISTRY	509	464	471	-8.8	1.5	1241	1242	1308	.1	5.3
GEOSCIENCES	144	161	130	11.8	-19.3	410	498	621	21.5	24.7
OCEANOGRAPHY	56	32	70	-42.9	•	67	116	230	73.1	98.3
PHYSICS	286	280	258	-2.1	-7.9	985	943	894	-4.3	-5.2
MATHEMATICAL SCIENCES	2202	2320	2173	5.4	-6.3	2695	2682	2921	-.5	8.9
APPLIED MATHEMATICS	490	584	702	19.2	20.2	633	685	877	8.2	28.0
MATHEMATICS	1628	1632	1402	.2	-14.1	1933	1861	1881	-3.7	1.1
STATISTICS	84	104	69	23.8	-33.7	129	136	163	5.4	19.9
LIFE SCIENCES	1224	1418	1851	15.5	30.5	3066	3154	3532	2.9	12.0
AGRICULTURE	207	206	157	-.5	-23.8	663	707	652	6.6	-7.8
ANATOMY	28	31	18	•	•	65	79	68	21.5	-13.9
BIOCHEMISTRY	43	53	47	•	-11.3	121	129	154	6.6	19.4
BIOLOGY	269	271	453	.7	67.2	658	600	816	-8.8	36.0
BIOMETRY AND BIOSTATISTICS	9	16	14	•		20	32	41	•	•
BIOPHYSICS	5	6	8	•	•	33	39	25	•	•
BIOSCIENCES, NEC	103	134	172	30.1	28.4	250	366	281	46.4	-23.2
BOTANY	19	36	40	•	•	151	152	216	.7	42.1
CELL BIOLOGY	3	2	3	•	•	10	8	6	•	•
ECOLOGY	8	7	10	•	•	16	28	27	•	•
ENTOMOLOGY AND PARASITOLOGY	28	13	19	•	•	112	137	150	22.3	9.5
GENETICS	11	6	16	•	•	27	18	27	•	•
MICROBIOLOGY	75	84	69	12.0	-17.9	154	165	179	7.1	8.5
NUTRITION	24	37	82	•	•	64	97	99	51.6	2.1
PATHOLOGY	33	40	25	•	•	38	35	57	•	•
PHARMACOLOGY	29	27	23	•	•	53	55	51	3.8	-7.3
PHYSIOLOGY	62	59	74	-4.8	25.4	132	138	121	4.5	-12.3
ZOOLOGY	99	62	45	-37.4	-27.4	267	242	344	-9.4	42.1
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	173	328	574	89.6	75.0	232	127	218	-45.3	71.7
PSYCHOLOGY	827	566	634	-31.6	12.0	2059	1992	2479	-3.3	24.4
SOCIAL SCIENCES	3130	3199	2946	2.2	-7.9	7044	7592	7833	7.8	3.2
AGRICULTURAL ECONOMICS	32	25	29	•	•	105	114	158	8.6	38.6
ANTHROPOLOGY	174	174	200		14.9	434	552	761	27.2	37.9
ECONOMICS (EXCEPT AGRICULTURE)	627	650	704	3.7	8.3	1479	1584	1783	7.1	12.6
GEOGRAPHY	155	144	176	-7.1	22.2	446	459	579	2.9	26.1
HISTORY AND PHILOSOPHY OF SCIENCE	131	116	88	-11.5	-24.1	325	391	285	20.3	-27.1
LINGUISTICS	68	68	96		41.2	210	236	318	12.4	34.7
POLITICAL SCIENCE	1134	1183	953	4.3	-19.4	2122	2212	2056	4.2	-7.1
SOCIOLOGY	733	742	629	1.2	-15.2	1789	1890	1758	5.6	-7.0
SOCIOLOGY AND ANTHROPOLOGY	73	97	72	32.9	-25.8	131	146	132	11.5	-9.6
ALL OTHER SCIENCES, NEC							1			•

• PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

TABLE C-9. PART-TIME GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS IN PUBLICLY CONTROLLED INSTITUTIONS, BY FIELD OF SCIENCE AND LEVEL OF STUDY, 1971-73

AREA AND FIELD OF SCIENCE	FIRST YEAR NUMBER 1971	1972	1973	FIRST YEAR PERCENT CHANGE 1971-72	1972-73	BEYOND FIRST YEAR NUMBER 1971	1972	1973	BEYOND FIRST YEAR PERCENT CHANGE 1971-72	1972-73
TOTAL, ALL FIELDS OF SCIENCE	9676	9619	9921	-.6	3.1	15797	16534	17760	4.7	7.4
ENGINEERING	4732	4320	4529	-8.7	4.8	5526	5416	5495	-2.0	1.5
AERONAUTICAL	67	67	84		25.4	176	170	165	-3.4	-2.9
AGRICULTURAL	28	31	19	*	*	88	79	63	-10.2	-20.3
CHEMICAL	303	235	237	-22.4	.9	580	569	498	-1.9	-12.5
CIVIL	735	724	770	-1.5	6.4	792	921	1091	16.3	18.5
ELECTRICAL	1405	1517	1378	8.0	-9.2	1457	1293	1348	-11.3	4.3
ENGINEERING SCIENCE	503	417	352	-17.1	-15.6	210	215	170	2.4	-20.9
INDUSTRIAL	497	319	326	-35.8	2.2	433	501	505	15.7	.8
MECHANICAL	750	595	708	-20.7	19.0	986	890	953	-9.7	7.1
METALLURGICAL AND MATERIALS	64	50	68	-21.9	*	151	179	159	18.5	-11.2
MINING	14	14	6		*	16	18	25	*	*
NUCLEAR	6	14	29	*	*	67	47	94	-29.9	*
PETROLEUM	11	8	7	*	*	14	14	11		*
ENGINEERING, NEC	349	329	545	-5.7	65.7	556	520	413	-6.5	-20.6
PHYSICAL SCIENCES	633	567	577	-10.4	1.8	1626	1783	1936	9.7	8.6
ASTRONOMY	4	14	14	*		15	30	44	*	*
ATMOSPHERIC SCIENCES	14	9	11	*	*	41	53	43	*	-18.9
CHEMISTRY	298	256	279	-14.1	9.0	691	708	724	2.5	2.3
GEOSCIENCES	124	116	88	-6.5	-24.1	345	410	478	18.8	16.6
OCEANOGRAPHY	15	9	34	*	*	57	87	201	52.6	131.0
PHYSICS	178	163	151	-8.4	-7.4	477	495	446	3.8	-9.9
MATHEMATICAL SCIENCES	1195	1415	1219	18.4	-13.9	1631	1652	1789	1.3	8.3
APPLIED MATHEMATICS	334	458	468	37.1	2.2	468	501	622	7.1	24.2
MATHEMATICS	782	856	687	9.5	-19.7	1050	1025	1026	-2.4	.1
STATISTICS	79	101	64	27.8	-36.6	113	126	141	11.5	11.9
LIFE SCIENCES	986	1085	1401	10.0	29.1	2559	2633	2633	2.9	
AGRICULTURE	207	206	156	-.5	-24.3	654	698	648	6.7	-7.2
ANATOMY	23	29	12	*	*	52	64	48	23.1	-25.0
BIOCHEMISTRY	40	44	32	*	*	97	100	109	3.1	9.0
BIOLOGY	148	140	195	-5.4	39.3	408	359	313	-12.0	-12.8
BIOMETRY AND BIOSTATISTICS	8	12	15	*	*	13	21	29	*	*
BIOPHYSICS	3	5	8	*	*	32	36	22	*	*
BIOSCIENCES, NEC	90	116	130	28.9	12.1	227	335	247	47.6	-26.3
BOTANY	19	36	40	*	*	148	143	203	-3.4	42.0
CELL BIOLOGY	3	2	3	*	*	9	6	4	*	*
ECOLOGY	8	7	16	*	*	16	28	27	*	*
ENTOMOLOGY AND PARASITOLOGY	27	13	19	*	*	112	137	150	22.3	9.5
GENETICS	9	5	11	*	*	24	17	20	*	*
MICROBIOLOGY	57	46	46	-19.3		108	125	125	15.7	
NUTRITION	21	31	79	*	*	56	92	94	64.3	2.2
PATHOLOGY	24	24	23		*	28	22	36	*	*
PHARMACOLOGY	12	12	13		*	20	25	34	*	*
PHYSIOLOGY	50	45	62	*	*	90	97	71	7.8	-26.8
ZOOLOGY	94	62	45	-34.0	-27.4	262	241	330	-8.0	36.9
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	143	250	500	74.8	100.0	203	87	123	-57.1	41.4
PSYCHOLOGY	203	213	201	4.9	-5.6	620	692	1074	11.6	55.2
SOCIAL SCIENCES	1927	2019	1994	4.8	-1.2	3835	4357	4833	13.6	10.9
AGRICULTURAL ECONOMICS	32	25	28	*	*	105	114	158	8.6	38.6
ANTHROPOLOGY	105	106	129	1.0	21.7	252	323	548	28.2	69.7
ECONOMICS (EXCEPT AGRICULTURE)	348	383	414	10.1	8.1	716	818	989	14.2	20.9
GEOGRAPHY	125	114	146	-8.8	28.1	383	391	503	2.1	28.6
HISTORY AND PHILOSOPHY OF SCIENCE	54	50	25	-7.4	*	142	198	122	39.4	-38.4
LINGUISTICS	47	52	71	*	36.5	148	176	263	18.9	49.4
POLITICAL SCIENCE	796	820	722	3.0	-12.0	1178	1254	1144	6.5	-8.8
SOCIOLOGY	352	381	402	8.2	5.5	820	979	1028	19.4	5.0
SOCIOLOGY AND ANTHROPOLOGY	65	88	57	35.4	-35.2	88	97	76	10.2	-21.6
ALL OTHER SCIENCES, NEC							1			*

* PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

TABLE C-10. PART-TIME GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS IN PRIVATELY CONTROLLED INSTITUTIONS, BY FIELD OF SCIENCE AND LEVEL OF STUDY, 1971-73

AREA AND FIELD OF SCIENCE	FIRST YEAR NUMBER 1971	1972	1973	FIRST YEAR PERCENT CHANGE 1971-72	1972-73	BEYOND FIRST YEAR NUMBER 1971	1972	1973	BEYOND FIRST YEAR PERCENT CHANGE 1971-72	1972-73
TOTAL, ALL FIELDS OF SCIENCE	6423	5938	6360	-9.1	9.1	12040	11691	11449	-2.9	-2.1
ENGINEERING	2961	2667	3193	-9.9	19.7	4642	4456	3771	-4.0	-15.4
AERONAUTICAL	24	31	34	•	•	38	46	43	•	•
AGRICULTURAL								11		
CHEMICAL	103	97	153	-5.8	57.7	207	222	240	7.2	8.1
CIVIL	270	276	298	2.2	8.0	294	387	372	31.6	-3.9
ELECTRICAL	1085	1063	1252	-2.0	17.8	1793	1518	1110	-15.3	-26.9
ENGINEERING SCIENCE	18	16	19	-11.1	18.7	58	54	49	-6.9	-9.3
INDUSTRIAL	536	398	604	-25.7	51.8	880	844	673	-4.1	-20.3
MECHANICAL	513	374	403	-27.1	7.8	468	583	415	7.5	-17.5
METALLURGICAL AND MATERIALS	37	32	40	•	•	132	143	131	8.3	-8.4
MINING								1		
NUCLEAR	4	1	2	•	•	10	12	8	•	•
PETROLEUM		2	5		•		3	5		•
ENGINEERING, NEC	371	377	381	1.6	1.1	770	724	713	-6.0	-1.5
PHYSICAL SCIENCES	386	400	387	3.6	-3.2	1179	1149	1262	-2.5	8.1
ASTRONOMY	1	2		•	•	2	3	3	•	
ATMOSPHERIC SCIENCES	5	5	10		•	44	47	35	•	•
CHEMISTRY	211	208	192	-1.4	-7.7	550	534	584	-2.9	9.4
GEOSCIENCES	20	45	42	•	•	65	88	143	35.4	62.5
OCEANOGRAPHY	41	23	36	•	•	10	29	29	•	
PHYSICS	108	117	107	8.3	-8.5	508	448	448	-11.8	
MATHEMATICAL SCIENCES	1007	905	954	-10.1	5.4	1064	1030	1132	-3.2	9.9
APPLIED MATHEMATICS	156	126	234	-19.2	85.7	165	184	255	11.5	38.6
MATHEMATICS	846	776	715	-8.3	-7.9	883	836	855	-5.3	2.3
STATISTICS	5	3	5	•	•	16	10	22	•	•
LIFE SCIENCES	242	333	450	37.6	35.1	507	521	899	2.8	72.6
AGRICULTURE			1			9	9	4		•
ANATOMY	5	2	6	•	•	13	15	20	•	•
BIOCHEMISTRY	3	9	15	•	•	24	29	45	•	•
BIOLOGY	121	131	258	8.3	96.9	250	241	503	-3.6	108.7
BIOMETRY AND BIOSTATISTICS	1	4	1	•	•	7	11	12	•	9.1
BIOPHYSICS	2	1		•	•	1	3	3	•	
BIOSCIENCES, NEC	13	19	42	•	•	23	31	34	•	•
BOTANY						3	9	13	•	•
CELL BIOLOGY						1	2	2	•	
ECOLOGY										
ENTOMOLOGY AND PARASITOLOGY	1			•						
GENETICS	2	1	3	•	•	3	1	7	•	•
MICROBIOLOGY	18	38	23	•	•	46	40	54	•	•
NUTRITION	3	6	3	•	•	8	5	5	•	
PATHOLOGY	9	16	2	•	•	10	13	21	•	•
PHARMACOLOGY	17	15	10	•	•	33	30	17	•	•
PHYSIOLOGY	12	14	12	•	•	42	41	50	•	•
ZOOLOGY	5			•		5	1	14	•	•
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	30	78	74	160.0	-5.1	29	40	95	•	•
PSYCHOLOGY	624	353	431	-43.4	22.7	1439	1300	1405	-9.7	8.1
SOCIAL SCIENCES	1203	1180	952	-1.9	-19.3	3209	3235	3000	.8	-7.3
AGRICULTURAL ECONOMICS										
ANTHROPOLOGY	69	68	71	-1.4	4.4	182	229	213	25.8	-7.0
ECONOMICS (EXCEPT AGRICULTURE)	279	267	290	-4.3	8.6	763	766	794	.4	3.7
GEOGRAPHY	30	30	30			63	68	76	7.9	11.8
HISTORY AND PHILOSOPHY OF SCIENCE	77	66	61	-14.3	-4.5	183	193	163	5.5	-15.5
LINGUISTICS	21	16	25	•	•	62	60	55	-3.2	-8.3
POLITICAL SCIENCE	338	363	231	7.4	-36.4	944	958	912	1.5	-4.8
SOCIOLOGY	381	361	227	-5.2	-37.1	969	911	730	-6.0	-19.9
SOCIOLOGY AND ANTHROPOLOGY	8	9	15	•	•	43	49	56	•	•
ALL OTHER SCIENCES, NEC										

• PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

TABLE C-11. FULL-TIME GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS BY FIELD OF SCIENCE AND SOURCE OF SUPPORT, 1971-73

AREA AND FIELD OF SCIENCE	FEDERAL SUPPORT NUMBER 1971	1972	1973	PERCENT CHANGE 1971-72	1972-73	NON-FEDERAL SUPPORT NUMBER 1971	1972	1973	PERCENT CHANGE 1971-72	1972-73
TOTAL, ALL FIELDS OF SCIENCE	48530	43987	38126	-9.5	-13.2	106110	107145	109179	1.0	1.9
ENGINEERING	11817	11011	10047	-6.8	-8.8	19963	19279	19258	-3.4	-.1
AERONAUTICAL	709	616	596	-13.0	-3.2	547	548	486	.2	-12.4
AGRICULTURAL	161	123	115	-23.6	-6.5	440	403	401	-8.4	-.5
CHEMICAL	998	928	836	-7.0	-10.1	2172	1961	2005	-9.7	2.2
CIVIL	2131	1968	1689	-7.6	-14.2	3164	3197	3363	1.0	5.2
ELECTRICAL	2635	2576	2368	-2.2	-8.1	5259	4873	4689	-7.3	-3.8
ENGINEERING SCIENCE	591	519	505	-12.2	-2.7	769	798	751	2.7	-4.9
INDUSTRIAL	1177	1174	973	-.3	-17.1	2019	1958	1976	-3.0	.9
MECHANICAL	1551	1409	1401	-9.2	-.6	2808	2762	2566	-1.6	-7.1
METALLURGICAL AND MATERIALS	864	787	775	-8.9	-1.5	840	805	740	-4.2	-8.1
MINING	82	75	86	-8.5	12.0	180	172	215	-4.4	25.0
NUCLEAR	351	362	278	3.1	-23.2	519	496	601	-4.4	21.2
PETROLEUM	51	29	19	-43.1	*	152	165	165	8.6	
ENGINEERING, NEC	517	445	410	-13.9	-7.9	1094	1149	1306	5.0	13.7
PHYSICAL SCIENCES	11127	9702	8487	-12.8	-12.5	19340	19422	19653	.4	1.3
ASTRONOMY	287	236	230	-17.8	-2.5	310	328	321	5.8	-2.1
ATMOSPHERIC SCIENCES	587	487	527	-17.0	8.2	175	248	233	41.7	-6.0
CHEMISTRY	4222	3567	2893	-15.5	-18.9	8644	8400	8579	-2.8	2.1
GEOSCIENCES	1129	1113	1011	-1.4	-9.2	3000	3292	3413	9.7	3.7
OCEANOGRAPHY	625	649	609	3.8	-6.2	581	629	624	8.3	-.8
PHYSICS	4277	3650	3221	-14.7	-11.8	5630	5525	5483	-1.9	-.8
MATHEMATICAL SCIENCES	2431	2014	1624	-17.2	-19.4	10770	10747	10558	-.2	-1.8
APPLIED MATHEMATICS	608	706	734	15.8	4.3	2194	2196	2110	-.4	-3.5
MATHEMATICS	1468	1045	686	-28.8	-34.4	7811	7746	7533	-.8	-2.7
STATISTICS	355	265	204	-25.4	-23.0	765	815	915	6.5	12.3
LIFE SCIENCES	11994	11152	9474	-7.0	-15.0	20511	21447	23055	4.6	7.5
AGRICULTURE	1401	1328	1198	-5.2	-9.8	4135	4260	4618	3.0	8.4
ANATOMY	345	352	290	2.0	-17.6	383	425	491	11.0	15.5
BIOCHEMISTRY	1724	1589	1394	-7.8	-12.3	1191	1257	1474	5.5	17.3
BIOLOGY	1337	1173	964	-12.3	-17.8	3495	3600	3561	3.0	-1.1
BIOMETRY AND BIOSTATISTICS	112	80	77	-28.6	-3.7	75	79	132	5.3	67.1
BIOPHYSICS	431	443	373	2.8	-15.8	191	193	266	1.0	37.8
BIOSCIENCES, NEC	540	525	454	-2.8	-13.1	1620	1638	1732	1.1	5.7
BOTANY	586	459	352	-21.7	-23.3	1614	1718	1780	6.4	3.6
CELL BIOLOGY	222	217	213	-2.3	-1.8	175	197	227	12.6	15.2
ECOLOGY	124	136	80	9.7	-41.2	285	321	342	12.6	6.5
ENTOMOLOGY AND PARASITOLOGY	424	359	302	-15.3	-15.9	684	785	719	14.8	-8.4
GENETICS	267	266	253	-.4	-4.9	256	259	340	1.2	31.3
MICROBIOLOGY	1187	1121	955	-5.6	-14.8	1225	1371	1492	11.9	8.8
NUTRITION	454	480	338	5.7	-29.6	672	680	919	1.2	35.0
PATHOLOGY	272	272	238		-12.5	149	193	288	29.5	49.2
PHARMACOLOGY	550	540	484	-1.8	-10.4	399	471	510	18.0	8.3
PHYSIOLOGY	761	696	620	-8.5	-10.9	905	945	1028	4.4	8.8
ZOOLOGY	845	714	595	-15.5	-16.7	2460	2413	2421	-1.9	.3
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	412	402	294	-2.4	-26.9	597	642	716	7.5	11.5
PSYCHOLOGY	4867	4525	3829	-7.0	-15.4	9269	9781	10212	5.5	4.4
SOCIAL SCIENCES	6294	5503	4660	-12.6	-15.3	27243	27451	27415	.8	-.1
AGRICULTURAL ECONOMICS	355	329	301	-7.3	-8.5	774	801	856	3.5	6.9
ANTHROPOLOGY	843	790	620	-6.3	-21.5	3172	3340	3437	5.3	2.9
ECONOMICS (EXCEPT AGRICULTURE)	1210	1060	958	-12.4	-9.6	5808	5857	5784	.8	-1.2
GEOGRAPHY	322	255	219	-20.8	-14.5	1897	1850	1720	-2.5	-7.0
HISTORY AND PHILOSOPHY OF SCIENCE	233	176	131	-24.5	-24.4	1692	1627	1686	-3.8	3.6
LINGUISTICS	525	486	414	-7.4	-14.8	1331	1280	1336	-3.8	4.4
POLITICAL SCIENCE	971	738	661	-24.0	-10.4	6292	6384	6498	1.5	1.7
SOCIOLOGY	1698	1535	1232	-9.6	-19.7	5624	5672	5596	.9	-1.3
SOCIOLOGY AND ANTHROPOLOGY	109	112	106	2.8	-5.4	597	577	453	-3.4	-21.5
ALL OTHER SCIENCES, NEC						14	18	28	*	*

* PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

TABLE C-12. FULL-TIME GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS IN PUBLICLY CONTROLLED INSTITUTIONS, BY FIELD OF SCIENCE AND SOURCE OF SUPPORT, 1971-73

AREA AND FIELD OF SCIENCE	FEDERAL SUPPORT NUMBER 1971	1972	1973	PERCENT CHANGE 1971-72	1972-73	NON-FEDERAL SUPPORT NUMBER 1971	1972	1973	PERCENT CHANGE 1971-72	1972-73
TOTAL, ALL FIELDS OF SCIENCE	32878	29741	25730	-9.5	-13.5	80262	80851	81861	.7	1.2
ENGINEERING	7962	7452	6646	-6.4	-10.8	13843	13194	13459	-4.7	2.0
AERONAUTICAL	517	454	428	-12.2	-5.7	402	409	362	1.7	-11.5
AGRICULTURAL	159	118	105	-25.8	-11.0	423	389	381	-8.0	-2.1
CHEMICAL	678	633	580	-6.6	-8.4	1445	1302	1314	-9.9	.9
CIVIL	1657	1527	1258	-7.8	-17.6	2361	2376	2593	.6	9.1
ELECTRICAL	1640	1634	1399	-.4	-14.4	3480	3061	3163	-12.0	3.3
ENGINEERING SCIENCE	366	325	329	-11.2	1.2	504	500	511	-.8	2.2
INDUSTRIAL	870	871	741	.1	-14.9	1181	1140	1197	-3.5	5.0
MECHANICAL	1012	905	938	-10.6	3.6	2082	2039	1821	-2.1	-10.7
METALLURGICAL AND MATERIALS	446	424	421	-4.9	-.7	519	511	499	-1.5	-2.3
MINING	74	75	65	1.4	-13.3	134	143	167	6.7	16.8
NUCLEAR	272	302	228	11.0	-24.5	439	401	485	-8.7	20.9
PETROLEUM	44	24	18	*	*	93	110	99	18.3	-10.0
ENGINEERING, NEC	227	160	136	-29.5	-15.0	780	813	867	4.2	6.6
PHYSICAL SCIENCES	7166	6239	5370	-12.9	-13.9	13789	13852	13999	.5	1.1
ASTRONOMY	178	148	153	-16.9	3.4	247	265	235	7.3	-11.3
ATMOSPHERIC SCIENCES	531	433	479	-18.5	10.6	162	230	222	42.0	-3.5
CHEMISTRY	2676	2329	1870	-13.0	-19.7	6484	6331	6425	-2.4	1.5
GEOSCIENCES	695	663	594	-4.6	-10.1	2391	2616	2753	9.4	5.2
OCEANOGRAPHY	529	546	504	3.2	-7.3	473	491	478	3.8	-2.6
PHYSICS	2557	2120	1768	-17.1	-16.7	4032	3919	3886	-2.8	-.8
MATHEMATICAL SCIENCES	1434	1176	1010	-18.0	-14.1	8777	8590	8389	-2.1	-2.3
APPLIED MATHEMATICS	379	434	510	14.5	17.5	1818	1804	1707	-.8	-5.4
MATHEMATICS	794	554	339	-30.2	-38.8	6287	6082	5936	-3.3	-2.4
STATISTICS	261	188	161	-28.0	-14.4	672	704	746	4.8	6.0
LIFE SCIENCES	8775	8036	6840	-8.4	-14.9	17144	17957	19138	4.7	6.6
AGRICULTURE	1375	1308	1187	-4.9	-9.3	4028	4147	4487	3.0	8.2
ANATOMY	187	191	144	2.1	-24.6	282	313	348	11.0	11.2
BIOCHEMISTRY	1135	1039	908	-8.5	-12.6	899	989	1157	10.0	17.0
BIOLOGY	488	427	360	-12.5	-15.7	2225	2351	2238	5.7	-4.8
BIOMETRY AND BIOSTATISTICS	84	54	50	-35.7	9.3	63	69	114	9.5	65.2
BIOPHYSICS	234	234	201		-14.1	138	136	159	-1.4	16.9
BIOSCIENCES, NEC	408	391	356	-4.2	-9.0	1290	1244	1402	-3.6	12.7
BOTANY	552	429	326	-22.3	-24.0	1495	1569	1626	4.9	3.6
CELL BIOLOGY	145	137	124	-5.5	-9.5	112	124	136	10.7	9.7
ECOLOGY	110	110	60		-45.5	235	286	297	21.7	3.8
ENTOMOLOGY AND PARASITOLOGY	379	337	288	-11.1	-14.5	647	738	669	14.1	-9.3
GENETICS	229	222	206	-3.1	-7.2	230	234	302	1.7	29.1
MICROBIOLOGY	918	830	688	-9.6	-17.1	1055	1145	1227	8.5	7.2
NUTRITION	322	311	231	-3.4	-25.7	566	546	730	-3.5	33.7
PATHOLOGY	158	158	147		-7.0	90	119	181	32.2	52.1
PHARMACOLOGY	388	361	331	-7.0	-8.3	304	372	369	22.4	-.8
PHYSIOLOGY	506	473	409	-6.5	-13.5	692	773	811	11.7	4.9
ZOOLOGY	812	679	562	-16.4	-17.2	2367	2336	2332	-1.3	-.2
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	345	345	253		-26.7	426	466	553	9.4	18.7
PSYCHOLOGY	3490	3220	2840	-7.7	-11.8	7056	7528	7382	6.7	-1.9
SOCIAL SCIENCES	4051	3618	3024	-10.7	-16.4	19639	19712	19466	.4	-1.2
AGRICULTURAL ECONOMICS	325	300	284	-7.7	-5.3	728	755	788	3.7	4.4
ANTHROPOLOGY	533	516	356	-3.2	-31.0	2409	2557	2623	6.1	2.6
ECONOMICS (EXCEPT AGRICULTURE)	743	676	601	-9.0	-11.1	4025	4015	4052	-.2	.9
GEOGRAPHY	257	193	174	-24.9	-9.8	1682	1639	1530	-2.6	-6.7
HISTORY AND PHILOSOPHY OF SCIENCE	87	71	65	-18.4	-8.5	1143	1035	995	-9.4	-3.9
LINGUISTICS	361	346	284	-4.2	-17.3	1066	1025	1075	-3.8	4.9
POLITICAL SCIENCE	549	428	377	-22.0	-11.9	4127	4123	4089	-.1	-.8
SOCIOLOGY	1111	996	794	-10.4	-19.9	4040	4103	3932	1.6	-4.2
SOCIOLOGY AND ANTHROPOLOGY	67	77	71	14.9	-7.8	395	431	348	9.1	-19.3
ALL OTHER SCIENCES, NEC						14	18	28	*	*

* PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

TABLE C-13. FULL-TIME GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS IN PRIVATELY CONTROLLED INSTITUTIONS, BY FIELD OF SCIENCE AND SOURCE OF SUPPORT, 1971-73

AREA AND FIELD OF SCIENCE	FEDERAL SUPPORT					NON-FEDERAL SUPPORT				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1971	1972	1973	1971-72	1972-73	1971	1972	1973	1971-72	1972-73
TOTAL, ALL FIELDS OF SCIENCE	15652	14166	12394	-9.5	-12.5	25848	26294	27318	1.7	3.9
ENGINEERING	3855	3559	3401	-7.7	-4.4	6120	6085	5799	-.6	-4.7
AERONAUTICAL	191	162	138	-15.2	3.7	145	139	118	-4.1	-15.1
AGRICULTURAL	2	5	10	•	•	17	14	20	•	•
CHEMICAL	320	295	254	-7.8	-13.9	727	659	691	-9.4	4.9
CIVIL	474	441	431	-7.0	-2.3	803	821	770	2.2	-6.2
ELECTRICAL	995	942	969	-5.3	2.9	1779	1812	1526	1.9	-15.8
ENGINEERING SCIENCE	225	194	174	-13.8	-9.3	265	290	240	9.4	-17.2
INDUSTRIAL	307	303	232	-1.3	-23.4	838	818	779	-2.4	-4.8
MECHANICAL	539	504	461	-6.5	-8.1	726	723	745	-.4	3.0
METALLURGICAL AND MATERIALS	418	363	354	-13.2	-2.5	321	294	241	-8.4	-18.0
MINING	8		10	•		46	29	48	•	•
NUCLEAR	79	60	50	-24.1	-16.7	80	95	116	18.7	22.1
PETROLEUM	7	5	1	•	•	59	55	66	-6.8	20.0
ENGINEERING, NEC	290	285	274	-1.7	-3.9	314	336	439	7.0	30.7
PHYSICAL SCIENCES	3961	3463	3121	-12.6	-9.9	4551	4570	4654	.4	1.8
ASTRONOMY	109	88	77	-19.3	-12.5	63	63	86		36.5
ATMOSPHERIC SCIENCES	56	54	48	-3.6	-11.1	13	18	11	•	•
CHEMISTRY	1546	1238	1023	-19.9	-17.4	2160	2069	2154	-4.2	4.1
GEOSCIENCES	434	450	415	3.7	-7.8	609	676	660	11.0	-2.4
OCEANOGRAPHY	96	103	103	7.3		108	138	146	27.8	5.8
PHYSICS	1720	1530	1455	-11.0	-4.9	1598	1606	1597	.5	-.6
MATHEMATICAL SCIENCES	997	838	614	-15.9	-26.7	1993	2157	2169	8.2	.6
APPLIED MATHEMATICS	229	270	224	17.9	-17.0	376	382	403	1.6	5.5
MATHEMATICS	674	491	347	-27.2	-29.3	1524	1664	1597	9.2	-4.0
STATISTICS	94	77	43	-18.1	-44.2	93	111	169	19.4	52.3
LIFE SCIENCES	3219	3116	2636	-3.2	-15.4	3367	3490	3917	3.7	12.2
AGRICULTURE	26	20	11	•	•	107	113	131	5.6	15.9
ANATOMY	158	161	146	1.9	-9.3	101	112	143	10.9	27.7
BIOCHEMISTRY	589	550	486	-6.6	-11.6	292	268	317	-8.2	18.3
BIOLOGY	849	746	604	-12.1	-19.0	1270	1249	1323	-1.7	5.9
BIOMETRY AND BIOSTATISTICS	28	26	18	•	•	12	10	18	•	•
BIOPHYSICS	197	209	172	6.1	-17.7	53	57	107	7.5	87.7
BIOSCIENCES, NEC	132	134	100	1.5	-25.4	330	394	330	19.4	-16.2
BOTANY	34	30	26	•	•	119	149	154	25.2	3.4
CELL BIOLOGY	77	80	89	3.9	11.2	63	73	91	15.9	24.7
ECOLOGY	14	26	20	•	•	50	35	45	•	•
ENTOMOLOGY AND PARASITOLOGY	45	22	14	•	•	37	47	50	•	•
GENETICS	38	44	47	•	•	26	25	38	•	•
MICROBIOLOGY	269	291	267	8.2	-8.2	170	226	265	32.9	17.3
NUTRITION	132	169	107	28.0	-36.7	106	134	188	26.4	40.3
PATHOLOGY	114	114	91		-20.2	59	74	107	25.4	44.6
PHARMACOLOGY	162	179	153	10.5	-14.5	95	99	141	4.2	42.4
PHYSIOLOGY	255	223	211	-12.5	-5.4	213	172	217	-19.2	26.2
ZOOLOGY	33	35	33	•	•	93	77	89	-17.2	15.6
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	67	57	41	-14.9	-28.1	171	176	163	2.9	-7.4
PSYCHOLOGY	1377	1305	988	-5.2	-24.3	2213	2253	2830	1.8	25.6
SOCIAL SCIENCES	2243	1885	1636	-16.0	-13.2	7604	7739	7949	1.8	2.7
AGRICULTURAL ECONOMICS	30	29	17	•	•	46	46	68		•
ANTHROPOLOGY	310	274	264	-11.6	-3.6	763	783	814	2.6	4.0
ECONOMICS (EXCEPT AGRICULTURE)	467	384	357	-17.8	-7.0	1783	1842	1732	3.3	-6.0
GEOGRAPHY	65	62	44	-4.6	-29.0	215	211	190	-1.9	-10.0
HISTORY AND PHILOSOPHY OF SCIENCE	146	105	68	-28.1	-35.2	549	592	691	7.8	16.7
LINGUISTICS	164	140	128	-14.6	-8.6	265	255	261	-3.8	2.4
POLITICAL SCIENCE	422	310	284	-26.5	-8.4	2165	2261	2401	4.4	6.2
SOCIOLOGY	587	539	434	-8.2	-19.5	1584	1569	1664	-.9	6.1
SOCIOLOGY AND ANTHROPOLOGY	42	35	35	•		202	146	105	-27.7	-28.1
ALL OTHER SCIENCES, NEC										

• PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

TABLE C-14. POSTDOCTORALS IN ALL GRADUATE DEPARTMENTS, BY FIELD OF SCIENCE, 1971-73

AREA AND FIELD OF SCIENCE	ALL POSTDOCTORAL APPOINTEES					RECENT DOCTORALS				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1971	1972	1973	1971-72	1972-73	1971	1972	1973	1971-72	1972-73
TOTAL, ALL FIELDS OF SCIENCE	10456	11188	10511	7.0	-6.1	8069	8514	6920	5.8	-18.7
ENGINEERING	792	920	891	16.2	-3.2	556	650	553	16.9	-14.9
AERONAUTICAL	25	27	48	*	*	19	18	26	*	*
AGRICULTURAL	15	21	19	*	*	6	10	9	*	*
CHEMICAL	101	144	138	42.6	-4.2	71	112	97	57.7	-13.4
CIVIL	91	83	64	-8.8	-22.9	49	51	39	*	-23.5
ELECTRICAL	138	186	177	34.8	-4.8	107	119	87	11.2	-26.9
ENGINEERING SCIENCE	74	89	106	20.3	16.9	60	66	50	10.0	-24.2
INDUSTRIAL	22	18	28	*	*	12	9	6	*	*
MECHANICAL	101	109	92	7.9	-15.6	56	74	68	32.1	-8.1
METALLURGICAL AND MATERIALS	127	129	143	1.6	10.9	100	102	113	2.0	10.8
MINING	6	5	9	*	*	6	5	2	*	*
NUCLEAR	8	11	17	*	*	6	8	10	*	*
PETROLEUM	5	8	11	*	*	1	1	9	*	*
ENGINEERING, NEC	79	98	51	13.9	-43.3	63	75	37	19.0	-50.7
PHYSICAL SCIENCES	3987	4210	4056	5.6	-3.7	3258	3419	2807	4.9	-17.9
ASTRONOMY	97	76	115	-21.6	51.3	49	51	55	*	7.8
ATMOSPHERIC SCIENCES	28	26	28	*	*	15	21	16	*	*
CHEMISTRY	2291	2438	2410	6.4	-1.1	1947	2087	1743	7.2	-16.5
GEOSCIENCES	198	258	193	30.3	-25.2	131	133	128	1.5	-3.8
OCEANOGRAPHY	22	55	64	*	20.0	19	31	17	*	-45.2
PHYSICS	1359	1357	1243	-.1	-8.4	1097	1096	848	-.1	-22.6
MATHEMATICAL SCIENCES	250	217	142	-13.2	-34.6	144	114	79	-20.8	-30.7
APPLIED MATHEMATICS	32	42	30	*	*	17	29	16	*	*
MATHEMATICS	191	135	96	-29.3	-30.4	107	64	47	-40.2	-26.6
STATISTICS	27	40	18	*	*	20	21	16	*	*
LIFE SCIENCES	4854	5151	4869	6.1	-5.5	3745	3886	3238	3.8	-16.7
AGRICULTURE	270	294	237	8.9	-19.4	165	183	141	10.9	-23.0
ANATOMY	172	152	167	-11.6	9.9	117	106	105	-9.4	-.9
BIOCHEMISTRY	1081	1098	1135	1.6	3.4	925	898	804	-2.9	-10.5
BIOLOGY	646	647	597	.2	-7.7	478	493	356	3.1	-27.8
BIOMETRY AND BIOSTATISTICS	4	7	7	*	*	4	5		*	*
BIOPHYSICS	171	216	215	26.3	-.5	141	168	142	19.1	-15.5
BIOSCIENCES, NEC	251	310	257	23.5	-17.1	224	218	197	-2.7	-9.6
BOTANY	146	154	146	5.5	-5.2	109	119	103	9.2	-13.4
CELL BIOLOGY	172	150	150	-12.8		127	109	98	-14.2	-10.1
ECOLOGY	2	4	44	*	*	2	3	4	*	*
ENTOMOLOGY AND PARASITOLOGY	113	124	126	9.7		78	99	81	26.9	-18.2
GENETICS	148	151	138	7.9	-8.6	100	102	101	2.0	-1.0
MICROBIOLOGY	422	457	441	8.3	-3.5	336	358	301	6.5	-15.9
NUTRITION	48	55	74	*	34.5	33	34	42	*	*
PATHOLOGY	229	245	212	7.0	-13.5	181	193	161	6.6	-16.6
PHARMACOLOGY	303	357	312	17.8	-12.6	232	256	208	10.3	-18.7
PHYSIOLOGY	367	394	335	7.4	-15.0	282	298	223	5.7	-25.2
ZOOLOGY	187	188	156	.5	-17.0	108	134	86	24.1	-35.8
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	130	148	127	13.8	-14.2	103	110	85	6.8	-22.7
PSYCHOLOGY	296	382	182	2.8	-39.7	192	282	115	5.2	-43.1
SOCIAL SCIENCES	276	387	372	40.2	-3.9	153	242	128	58.2	-47.1
AGRICULTURAL ECONOMICS	7	17	30	*	*	4	13	18	*	*
ANTHROPOLOGY	57	82	55	43.9	-32.9	11	25	15	*	*
ECONOMICS (EXCEPT AGRICULTURE)	47	41	64	*	*	24	21	25	*	*
GEOGRAPHY	25	27	39	*	*	23	24	8	*	*
HISTORY AND PHILOSOPHY OF SCIENCE	13	14	7	*	*	6	7		*	*
LINGUISTICS	64	82	93	28.1	13.4	51	68	21	33.3	-69.1
POLITICAL SCIENCE	16	47	34	*	*	6	32	15	*	*
SOCIOLOGY	35	62	34	*	-45.2	17	39	18	*	*
SOCIOLOGY AND ANTHROPOLOGY	12	13	9	*	*	11	11	8		*
ALL OTHER SCIENCES, NEC	1	1			*	1	1			*

* PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

TABLE C-15. POSTDOCTORALS IN ALL GRADUATE DEPARTMENTS, IN PUBLICLY CONTROLLED INSTITUTIONS, BY FIELD OF SCIENCE, 1971-73

AREA AND FIELD OF SCIENCE	ALL POSTDOCTORAL APPOINTEES NUMBER 1971	1972	1973	PERCENT CHANGE 1971-72	1972-73	RECENT DOCTORALS NUMBER 1971	1972	1973	PERCENT CHANGE 1971-72	1972-73
TOTAL, ALL FIELDS OF SCIENCE	5859	6610	5924	9.4	-7.6	4609	4959	3994	7.6	-19.5
ENGINEERING	368	431	416	17.1	-3.5	240	296	273	23.3	-7.8
AERONAUTICAL	8	8	20		*	7	7	16		*
AGRICULTURAL	12	17	12	*	*	5	8	6	*	*
CHEMICAL	55	80	80	45.5	10.0	40	62	61	*	-1.6
CIVIL	61	58	37	-4.9	-36.2	28	32	21	*	*
ELECTRICAL	57	65	63	14.0	-3.1	44	50	29	*	*
ENGINEERING SCIENCE	16	21	30	*	*	15	14	24	*	*
INDUSTRIAL	5	7	15	*	*	3	5	2	*	*
MECHANICAL	52	56	40	7.7	-12.5	20	27	36	*	*
METALLURGICAL AND MATERIALS	58	68	55	17.2	-19.1	47	52	49	*	-5.8
MINING	6	5	0	*	*	4	5	2	*	*
NUCLEAR	5	7	13	*	*	5	7	8	*	*
PETROLEUM	4	7	7	*				5		
ENGINEERING, NEC	29	32	18	*	*	20	27	14	*	*
PHYSICAL SCIENCES	2282	2500	2331	9.6	-6.7	1950	2088	1646	6.7	-20.9
ASTRONOMY	38	36	24	*	*	22	19	16	*	*
ATMOSPHERIC SCIENCES	14	21	24	*	*	9	16	13	*	*
CHEMISTRY	1421	1527	1466	7.5	-4.1	1234	1318	1087	6.8	-17.5
GEOSCIENCES	107	120	89	12.1	-25.8	66	61	58	-7.6	-4.9
OCEANOGRAPHY	16	49	65	*	*	13	25	16	*	*
PHYSICS	686	747	667	8.9	-10.7	606	641	456	5.8	-28.9
MATHEMATICAL SCIENCES	140	116	50	-17.1	-56.9	80	52	40	-35.0	-23.1
APPLIED MATHEMATICS	8	8	4		*	7	8	3	*	*
MATHEMATICS	107	75	34	-29.9	-54.7	55	29	26	-47.3	-10.3
STATISTICS	25	33	12	*	*	18	15	11	*	*
LIFE SCIENCES	2766	2978	2823	7.7	-5.2	2142	2267	1909	5.8	-15.8
AGRICULTURE	253	278	232	9.9	-16.5	156	174	139	11.5	-20.1
ANATOMY	67	58	76	-13.4	31.0	48	46	46	*	
BIOCHEMISTRY	572	604	597	5.6	-1.2	496	503	442	1.4	-12.1
BIOLOGY	169	167	181	-1.2	8.4	131	133	119	1.5	-10.5
BIOMETRY AND BIOSTATISTICS	3	6	2	*	*	3	4		*	-100.0
BIOPHYSICS	59	74	95	25.4	28.4	53	63	50	18.9	-20.6
BIOSCIENCES, NEC	169	222	180	31.4	-18.9	160	157	151	-1.9	-3.8
BOTANY	133	141	131	6.0	-7.1	98	107	92	9.2	-14.0
CELL BIOLOGY	112	97	94	-13.4	-3.1	97	85	59	-12.4	-30.6
ECOLOGY	2	6	12	*	*	2	3	3	*	
ENTOMOLOGY AND PARASITOLOGY	106	115	117	8.5	1.7	74	93	75	25.7	-19.4
GENETICS	106	111	98	4.7	-11.7	80	78	78	-2.5	
MICROBIOLOGY	232	255	223	9.9	-12.5	176	190	159	8.0	-16.3
NUTRITION	35	42	56	*	*	27	29	32	*	10.3
PATHOLOGY	88	98	117	11.4	19.4	74	83	94	12.2	13.3
PHARMACOLOGY	151	176	149	16.6	-15.3	109	116	100	6.4	-13.8
PHYSIOLOGY	211	215	177	1.9	-17.7	163	176	122	8.0	-30.7
ZOOLOGY	172	173	145	.6	-16.2	95	121	76	27.4	-37.2
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	126	142	111	12.7	-21.8	100	106	72	6.0	-32.1
PSYCHOLOGY	128	136	91	6.3	-33.1	98	104	61	6.1	-41.3
SOCIAL SCIENCES	174	248	213	42.5	-14.1	98	159	65	62.2	-59.1
AGRICULTURAL ECONOMICS	7	17	26	*	52.9	4	13	14	*	*
ANTHROPOLOGY	45	52	25	*	-51.9	6	15	7	*	*
ECONOMICS (EXCEPT AGRICULTURE)	18	15	35	*	*	8	6	11	*	*
GEOGRAPHY	17	17	6		*	15	14	1	*	*
HISTORY AND PHILOSOPHY OF SCIENCE	7	5	2	*	*	2	3		*	*
LINGUISTICS	53	61	78	15.1	27.9	43	51	10	*	-80.4
POLITICAL SCIENCE	4	29	11	*	*	2	21	5	*	*
SOCIOLOGY	12	40	18	*	*	8	24	10	*	*
SOCIOLOGY AND ANTHROPOLOGY	11	11	7		*	10	11	7	*	*
ALL OTHER SCIENCES, NEC	1	1			*	1	1			*

* PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

TABLE C-16. POSTDOCTORALS IN ALL GRADUATE DEPARTMENTS, IN PRIVATELY CONTROLLED INSTITUTIONS, BY FIELD OF SCIENCE, 1971-73

AREA AND FIELD OF SCIENCE	ALL POSTDOCTORAL APPOINTEES					RECENT DOCTORALS				
	NUMBER			PERCENT CHANGE		NUMBER			PERCENT CHANGE	
	1971	1972	1973	1971-72	1972-73	1971	1972	1973	1971-72	1972-73
TOTAL, ALL FIELDS OF SCIENCE	4597	4778	4585	3.9	-4.0	3440	3555	2926	3.3	-17.7
ENGINEERING	424	489	475	15.3	-2.9	316	354	280	12.0	-20.9
AERONAUTICAL	17	19	20	•	•	12	11	10	•	•
AGRICULTURAL	3	4	7	•	•	1	2	3	•	•
CHEMICAL	46	64	50	•	-21.9	31	50	36	•	•
CIVIL	30	25	27	•	•	21	19	18	•	•
ELECTRICAL	81	121	114	49.4	-5.8	63	69	58	9.5	-15.9
ENGINEERING SCIENCE	58	68	74	17.2	8.8	45	52	26	•	-50.0
INDUSTRIAL	17	11	11	•		9	4	4	•	
MECHANICAL	49	53	43	•	-18.9	36	47	32	•	•
METALLURGICAL AND MATERIALS	69	61	88	-11.6	44.3	53	50	64	-5.7	•
MINING										
NUCLEAR	3	4	4	•		1	1	2		•
PETROLEUM	1	1	4		•	1	1	4		•
ENGINEERING, NEC	50	58	33	•	-43.1	43	48	23	•	•
PHYSICAL SCIENCES	1705	1710	1722	.3	.7	1308	1339	1161	2.4	-13.3
ASTRONOMY	59	40	91	-32.2	•	27	32	39	•	•
ATMOSPHERIC SCIENCES	6	5	4	•	•	6	5	3	•	•
CHEMISTRY	870	911	944	4.7	3.8	713	769	656	7.9	-14.7
GEOSCIENCES	91	138	104	51.6	-24.6	65	72	70	10.8	-2.8
OCEANOGRAPHY	6	6	1		•	6	6	1		•
PHYSICS	673	610	578	-9.4	-5.6	491	455	392	-7.3	-13.8
MATHEMATICAL SCIENCES	110	101	92	-8.2	-8.9	64	62	39	-3.1	-37.1
APPLIED MATHEMATICS	24	34	26	•	•	10	21	13	•	•
MATHEMATICS	84	60	60	-28.6		52	35	21	-32.7	•
STATISTICS	2	7	6	•	•	2	6	5	•	•
LIFE SCIENCES	2088	2173	2046	4.1	-5.8	1603	1619	1329	1.0	-17.9
AGRICULTURE	17	16	5	•	•	9	9	2		•
ANATOMY	105	94	91	-10.5	-3.2	69	68	59	-13.0	-1.7
BIOCHEMISTRY	509	494	538	-2.9	8.9	429	395	362	-7.9	-8.4
BIOLOGY	477	480	414	.6	-13.3	347	360	237	3.7	-34.2
BIOMETRY AND BIOSTATISTICS	1	1			•	1	1			•
BIOPHYSICS	112	142	120	26.8	-15.5	88	105	92	19.3	-12.4
BIOSCIENCES, NEC	82	88	77	7.3	-12.5	64	61	46	-4.7	-24.6
BOTANY	13	13	15		•	11	12	11	•	•
CELL BIOLOGY	60	53	54	-11.7	5.7	30	24	39	•	•
ECOLOGY			2					1		
ENTOMOLOGY AND PARASITOLOGY	7	9	7	•	•	4	6	6	•	
GENETICS	34	40	40	•		20	24	23	•	•
MICROBIOLOGY	190	202	218	6.3	7.9	160	168	142	5.0	-15.5
NUTRITION	13	13	18		•	6	5	10	•	•
PATHOLOGY	141	147	95	4.3	-35.4	107	110	67	2.8	-39.1
PHARMACOLOGY	152	181	163	19.1	-9.9	123	140	108	13.8	-22.9
PHYSIOLOGY	156	179	158	14.7	-11.7	119	122	101	2.5	-17.2
ZOOLOGY	15	15	11		•	13	13	10		•
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	4	6	16	•	•	3	4	13	•	•
PSYCHOLOGY	168	166	91	-1.2	-45.2	94	98	54	4.3	-44.9
SOCIAL SCIENCES	102	139	159	36.3	14.4	55	83	63	50.9	-24.1
AGRICULTURAL ECONOMICS			4					4		
ANTHROPOLOGY	12	30	30	•		5	10	8	•	•
ECONOMICS (EXCEPT AGRICULTURE)	29	26	29	•	•	16	15	14	•	•
GEOGRAPHY	8	10	33	•	•	8	10	7	•	•
HISTORY AND PHILOSOPHY OF SCIENCE	6	9	5	•	•	4	4			•
LINGUISTICS	11	21	15	•	•	8	17	11	•	•
POLITICAL SCIENCE	12	18	25	•	•	4	11	10	•	•
SOCIOLOGY	23	22	16	•	•	9	15	8	•	•
SOCIOLOGY AND ANTHROPOLOGY	1	2	2	•		1		1	•	
ALL OTHER SCIENCES, NEC										

• PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

TABLE D-1. FULL-TIME GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS BY FIELD OF SCIENCE AND TYPE OF MAJOR SUPPORT, 1972 AND 1973

AREA AND FIELD OF SCIENCE	TOTAL			FELLOWSHIPS AND TRAINEESHIPS			RESEARCH ASSISTANTSHIPS			TEACHING ASSISTANTSHIPS			OTHER TYPES OF SUPPORT		
	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE
TOTAL, ALL FIELDS OF SCIENCE	151952	147385	-2.5	31922	29089	-8.9	32391	33007	1.9	39195	40421	3.1	47544	44788	-5.8
ENGINEERING	30290	29385	-3.3	5134	4698	-8.6	9186	9683	5.5	4624	4687	1.4	11426	10325	-9.6
AERONAUTICAL	1164	1076	-7.6	124	88	-29.0	518	515	-.6	131	125	-4.6	391	348	-11.0
AGRICULTURAL	526	516	-1.9	81	84	3.7	241	251	4.1	46	37	*	158	144	-8.9
CHEMICAL	2889	2839	-1.7	691	638	-7.7	1091	1104	1.2	488	526	7.8	619	571	-7.8
CIVIL	5165	5052	-2.2	1252	968	-22.7	1369	1546	12.9	613	601	-2.0	1931	1937	.3
ELECTRICAL	7449	7057	-5.3	980	947	5.2	2878	2888	.5	1453	1539	5.9	3018	2683	-17.7
ENGINEERING SCIENCE	1309	1256	-4.0	213	205	-3.8	457	458	.2	341	290	-15.0	298	303	1.7
INDUSTRIAL	3132	2949	-5.8	355	334	-5.9	474	533	12.4	309	329	6.5	1996	1753	-12.1
MECHANICAL	4171	3967	-4.9	606	525	-13.4	1216	1344	10.5	713	707	-.8	1636	1391	-15.0
METALLURGICAL AND MATERIALS	1592	1515	-4.8	232	196	-15.5	989	915	-.7	184	177	-3.8	267	227	-15.0
MINING	247	299	21.1	49	59	*	108	123	13.9	34	33	*	56	84	50.0
NUCLEAR	858	879	2.4	219	218	-.5	274	293	6.9	84	104	23.8	281	264	-6.0
PETROLEUM	194	184	-5.2	64	66	3.1	66	61	-7.6	15	15	*	49	42	*
ENGINEERING, NEC	1594	1716	7.7	348	362	4.0	385	372	22.8	213	204	-4.2	728	778	6.9
PHYSICAL SCIENCES	28124	27144	-3.5	4879	3667	-15.0	8693	8456	-2.7	11071	11291	2.0	4281	3930	-8.2
ASTRONOMY	944	951	-2.3	128	118	-1.7	188	224	19.1	146	137	-6.2	118	72	-34.5
ATMOSPHERIC SCIENCES	735	760	3.4	87	73	-16.1	378	389	5.1	53	80	50.9	225	218	-3.1
CHEMISTRY	11967	11472	-4.1	1938	1613	-16.4	3187	2913	-8.6	5930	6081	2.5	920	865	-6.0
GEOSCIENCES	4485	4424	-.6	579	495	-14.5	1857	1895	3.6	1430	1486	3.3	1330	1348	1.4
OCEANOGRAPHY	1270	1233	-3.5	155	169	9.8	714	697	-2.4	47	56	*	362	311	-14.1
PHYSICS	9175	8706	-5.1	1208	999	-17.3	3177	3138	-1.2	3456	3451	-.1	1334	1116	-16.3
MATHEMATICAL SCIENCES	12761	12182	-4.5	1662	1486	-9.5	1272	1204	-5.3	5856	5902	.8	3991	3590	-10.0
APPLIED MATHEMATICS	2898	2844	-1.8	242	281	16.1	666	654	-1.8	614	634	3.3	1368	1275	-6.8
MATHEMATICS	4791	4219	-6.5	1179	1006	-14.7	392	304	-22.4	4914	4926	.2	2386	1983	-14.0
STATISTICS	1080	1119	3.6	221	199	-10.0	214	246	15.0	328	342	4.3	317	332	4.7
LIFE SCIENCES	32599	32531	-.2	9015	8313	-7.8	8088	8188	2.3	7355	7887	7.2	8229	8143	-1.0
AGRICULTURE	5588	5816	4.1	659	824	25.0	2774	2762	-.4	396	430	8.6	1759	1800	2.3
ANATOMY	777	781	.5	370	331	-10.5	51	77	51.0	144	197	36.8	212	174	-17.0
BIOCHEMISTRY	2846	2868	.8	1217	1093	-10.2	793	860	8.4	461	473	2.6	375	442	17.9
BIOLOGY	4773	4525	-5.2	1268	1078	-13.4	415	423	1.9	1720	1846	7.3	1390	1178	-15.3
BIOMETRY AND BIOSTATISTICS	159	209	31.4	97	92	-5.2	7	20	*	13	14	*	42	83	*
BIOPHYSICS	636	639	.5	382	372	-2.6	118	137	16.1	55	52	-5.5	81	78	-3.7
BIOSCIENCES, NEC	2163	2188	1.2	465	416	-10.5	253	273	7.9	817	932	14.1	628	567	-9.7
BOTANY	2177	2132	-2.1	285	240	-15.8	628	629	.2	770	801	4.0	494	462	-6.5
CELL BIOLOGY	414	440	6.3	206	215	4.4	81	79	-2.5	57	70	22.8	70	76	8.6
ECOLOGY	457	422	-7.7	81	66	-18.5	168	122	-27.4	80	100	25.0	128	134	4.7
ENTOMOLOGY AND PARASITOLOGY	1144	1021	-10.8	185	148	-20.0	528	512	-1.5	104	118	13.5	325	243	-27.5
GENETICS	525	593	13.0	243	243		99	126	27.3	62	71	14.5	121	153	26.4
MICROBIOLOGY	2492	2447	-1.8	993	865	-12.9	388	465	19.8	591	612	3.6	520	505	-2.9
NUTRITION	1168	1256	8.3	334	262	-21.6	483	557	15.3	66	65	-1.5	277	372	34.3
PATHOLOGY	465	526	13.1	302	299	-1.0	24	48	*	11	28	*	128	167	30.5
PHARMACOLOGY	1011	994	-1.7	516	470	-8.9	199	186	-6.5	156	183	17.3	140	155	10.7
PHYSIOLOGY	1641	1648	.4	593	576	-2.9	279	231	-17.2	306	328	7.2	463	513	10.8
ZOOLOGY	3127	3016	-3.5	467	403	-13.7	542	523	-3.5	1322	1335	1.0	796	755	-5.2
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	1944	1810	-3.3	372	320	-14.0	178	166	-6.7	224	240	7.1	270	284	5.2
PSYCHOLOGY	14386	14040	-1.9	4232	3818	-9.8	1718	1828	6.4	3116	3187	2.3	5248	5215	-.6
SOCIAL SCIENCES	32954	32875	-2.7	7828	7312	-6.5	3618	3736	3.5	7173	7467	4.1	14351	13560	-5.5
AGRICULTURAL ECONOMICS	1138	1157	2.4	167	183	9.6	683	597	-1.0	82	62	-24.4	278	315	13.3
ANTHROPOLOGY	4138	4057	-1.8	963	950	-1.3	272	196	-22.2	803	864	8.1	2112	2043	-3.3
ECONOMICS (EXCEPT AGRICULTURE)	6917	6742	-2.5	1622	1491	-8.1	895	958	7.0	1559	1720	10.3	2841	2573	-9.4
GEOGRAPHY	2185	1938	-7.9	389	278	-12.6	289	192	-8.1	727	727		860	749	-12.9
HISTORY AND PHILOSOPHY OF SCIENCE	1883	1819	-.9	488	473	-3.1	67	96	43.3	545	584	7.2	783	666	-5.3
LINGUISTICS	1766	1758	-.9	581	603	3.8	152	185	21.7	403	417	3.5	630	545	-13.5
POLITICAL SCIENCE	7122	7151	.4	1616	1484	-8.1	462	526	13.9	1337	1349	.9	3789	3792	2.2
SOCIOLOGY	7287	6828	-6.3	1985	1697	-10.9	812	853	5.0	1556	1571	1.0	2934	2707	-7.7
SOCIOLOGY AND ANTHROPOLOGY	689	559	-18.9	186	115	8.5	149	130	-12.8	161	164	1.9	273	150	-45.1
ALL OTHER SCIENCES, NEC	18	28	*		3								18	25	*

* PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

TABLE D-2. FULL-TIME GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS IN PUBLICLY CONTROLLED INSTITUTIONS BY FIELD OF SCIENCE AND TYPE OF MAJOR SUPPORT, 1972 AND 1973

AREA AND FIELD OF SCIENCE	TOTAL			FELLOWSHIPS AND TRAINEESHIPS			RESEARCH ASSISTANTSHIPS			TEACHING ASSISTANTSHIPS			OTHER TYPES OF SUPPORT		
	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE
TOTAL, ALL FIELDS OF SCIENCE	110592	107591	-2.7	18286	16223	-11.3	24633	25142	2.1	31907	32659	2.4	35766	33547	-6.2
ENGINEERING	28646	28185	-2.	2679	2419	-9.7	6197	6	7.5	3402	3426	.7	8369	7597	-9.2
AERONAUTICAL	863	790	-8.5	65	41	-36.9	346	342	-1.2	118	105	-11.0	334	302	-9.6
AGRICULTURAL	507	486	-4.1	43	40	-7.0	230	241	4.8	46	32	*	155	143	-7.7
CHEMICAL	1935	1894	-2.1	378	351	-7.1	783	797	1.8	343	367	7.0	439	379	-13.7
CIVIL	3903	3851	-1.3	887	686	-22.7	1066	1239	16.2	450	446	-.9	1500	1480	-1.3
ELECTRICAL	4695	4562	-2.8	314	372	18.5	1273	1253	-1.6	1075	1122	4.4	2033	1815	-10.7
ENGINEERING SCIENCE	825	840	1.8	69	64	-7.2	307	328	6.8	232	209	-9.9	217	239	10.1
INDUSTRIAL	2011	1938	-3.6	140	134	-4.3	312	385	23.4	182	213	17.0	1377	1206	-12.4
MECHANICAL	2944	2759	-6.3	317	282	-11.0	807	932	15.5	562	556	-1.1	1258	989	-21.4
METALLURGICAL AND MATERIALS	935	920	-1.6	106	91	-14.2	528	557	5.5	125	112	-10.4	176	160	-9.1
MINING	218	232	6.4	26	28	*	108	98	-9.3	28	26	*	56	80	42.9
NUCLEAR	703	713	1.4	169	147	-13.0	244	267	9.4	58	70	20.7	232	229	-1.3
PETROLEUM	134	117	-12.7	23	32	*	58	53	-8.6	11	9	*	42	23	*
ENGINEERING, NEC	973	1003	3.1	117	121	3.4	135	171	26.7	172	159	-7.6	549	552	.5
PHYSICAL SCIENCES	20091	19369	-3.6	2123	1769	-16.7	5854	5674	-3.1	8762	8864	1.2	3352	3062	-8.7
ASTRONOMY	413	388	-6.1	56	61	8.9	131	148	13.0	127	119	-6.3	99	60	-39.4
ATMOSPHERIC SCIENCES	663	701	5.7	67	62	-7.5	330	351	6.4	48	76	*	218	212	-2.8
CHEMISTRY	8668	8295	-4.2	1017	798	-21.5	2198	2009	-8.6	4745	4849	2.2	708	639	-8.7
GEOSCIENCES	3279	3349	2.1	308	283	-8.1	682	712	4.4	1221	1261	3.3	1068	1093	2.3
OCEANOGRAPHY	1037	984	-5.1	122	131	7.4	624	606	-2.9	37	40	*	254	207	-18.5
PHYSICS	6039	5652	-6.4	553	434	-21.5	1889	1848	-2.2	2584	2519	-2.5	1013	851	-16.0
MATHEMATICAL SCIENCES	9766	9399	-3.8	851	778	-8.6	815	791	-2.9	4875	4852	.6	3275	2978	-9.1
APPLIED MATHEMATICS	2238	2217	-.9	129	142	10.1	433	450	3.9	509	517	1.6	1167	1108	-5.1
MATHEMATICS	6636	6275	-5.4	563	498	-11.5	224	143	-36.2	4018	4031	.3	1831	1603	-12.5
STATISTICS	892	907	1.7	159	138	-13.2	158	198	25.3	298	304	2.0	277	267	-3.6
LIFE SCIENCES	25993	25978	-.1	5706	5109	-10.4	7284	7430	2.0	6249	6647	6.5	6765	6792	.4
AGRICULTURE	5455	5674	4.0	617	763	23.7	2713	2704	-.3	385	422	9.6	1740	1785	2.6
ANATOMY	504	492	-2.4	190	157	-17.4	41	35	*	121	174	43.8	152	126	-17.1
BIOCHEMISTRY	2028	2065	1.8	692	629	-9.1	677	726	7.2	384	409	6.5	275	301	9.5
BIOLOGY	2778	2598	-6.5	382	307	-19.6	281	286	1.8	1242	1285	3.5	873	720	-17.5
BIOMETRY AND BIOSTATISTICS	123	173	40.7	67	74	10.4	7	20	*	13	14	*	36	65	*
BIOPHYSICS	370	360	-2.7	156	144	-7.7	109	120	10.1	54	37	-31.5	51	59	15.7
BIOSCIENCES, NEC	1635	1758	7.5	306	270	-11.8	220	253	15.0	663	747	12.7	446	488	9.4
BOTANY	1998	1952	-2.3	254	206	-18.9	587	587		702	737	5.0	455	422	-7.3
CELL BIOLOGY	261	260	-.4	108	91	-15.7	71	73	2.8	38	47	*	44	49	*
ECOLOGY	396	357	-9.8	63	41	-34.9	148	114	-23.0	60	72	20.0	125	130	4.0
ENTOMOLOGY AND PARASITOLOGY	1075	957	-11.0	153	125	-18.3	496	488	-1.6	93	108	16.1	333	236	-29.1
GENETICS	456	508	11.4	198	194	-2.0	99	109	10.1	53	67	26.4	106	138	30.2
MICROBIOLOGY	1975	1915	-3.0	679	563	-17.1	330	402	21.8	531	537	1.1	435	413	-5.1
NUTRITION	857	961	12.1	197	136	-31.0	413	484	17.2	54	57	5.6	193	284	47.2
PATHOLOGY	277	328	18.4	182	178	-2.2	16	25	*	5	17	*	74	108	45.9
PHARMACOLOGY	733	700	-4.5	323	274	-15.2	182	173	-4.9	128	143	19.2	108	110	1.9
PHYSIOLOGY	1246	1220	-2.1	393	340	-13.5	221	178	-19.5	284	310	9.2	348	392	12.6
ZOOLOGY	3015	2894	-4.0	440	378	-14.1	527	505	-4.2	1257	1268	.9	791	743	-6.1
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	811	806	-.6	304	239	-21.4	146	148	1.4	181	196	8.3	180	223	23.9
PSYCHOLOGY	10748	10222	-4.9	2855	2524	-11.6	1472	1571	6.7	2619	2676	2.2	3802	3451	-9.2
SOCIAL SCIENCES	23330	22490	-3.6	4074	3621	-11.1	3011	3033	.7	6859	6194	2.2	10186	9642	-5.3
AGRICULTURAL ECONOMICS	1055	1072	1.6	161	179	11.2	572	556	-2.8	63	46	-27.0	259	291	12.4
ANTHROPOLOGY	3073	2979	-3.1	563	511	-9.2	199	142	-28.6	696	716	2.9	1615	1610	-.3
ECONOMICS (EXCEPT AGRICULTURE)	4691	4653	-.8	686	549	-20.0	706	778	10.2	1297	1387	6.9	2002	1939	-3.1
GEOGRAPHY	1832	1704	-7.0	227	195	-14.1	170	161	-5.3	681	674	-1.0	754	674	-10.6
HISTORY AND PHILOSOPHY OF SCIENCE	1106	1060	-4.2	147	147		37	58	*	424	448	5.7	498	407	-18.3
LINGUISTICS	1371	1361	-.7	377	404	7.2	116	152	31.0	339	336	-.9	539	469	-11.0
POLITICAL SCIENCE	4551	4466	-1.9	760	645	-15.1	388	402	3.6	1113	1114	.1	2290	2305	.7
SOCIOLOGY	5099	4730	-7.2	1044	916	-13.9	674	658	-2.4	1325	1344	1.4	2036	1812	-11.0
SOCIOLOGY AND ANTHROPOLOGY	508	419	-17.5	64	51	-20.3	140	123	-12.1	121	124	2.5	183	121	-33.9
ALL OTHER SCIENCES, NEC	18	28	*		3								18	25	*

* PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

TABLE D-3. FULL-TIME GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS IN PRIVATELY CONTROLLED INSTITUTIONS, BY FIELD OF SCIENCE AND TYPE OF MAJOR SUPPORT, 1972 AND 1973

AREA AND FIELD OF SCIENCE	TOTAL			FELLOWSHIPS AND TRAINEESHIPS			RESEARCH ASSISTANTSHIPS			TEACHING ASSISTANTSHIPS			OTHER TYPES OF SUPPORT		
	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE
TOTAL, ALL FIELDS OF SCIENCE	40460	39714	-1.8	13636	12866	-5.6	7758	7845	1.1	7288	7762	6.5	11778	11241	-4.6
ENGINEERING	9644	9200	-4.6	2455	2271	-7.5	2909	2940	1.1	1272	1261	3.2	3058	2728	-10.8
AERONAUTICAL	301	286	-5.0	59	47	-20.3	172	173	.6	13	20	*	57	46	-19.3
AGRICULTURAL	19	30	*	5	14	*	11	10	*		5		3	1	*
CHEMICAL	956	945	-.9	321	287	-10.6	308	307	-.3	145	159	9.7	180	192	6.7
CIVIL	1262	1201	-4.8	365	282	-22.7	303	307	1.3	163	155	-4.9	431	457	6.0
ELECTRICAL	2754	2695	-9.4	586	575	-1.9	805	835	3.7	378	417	10.3	985	668	-32.2
ENGINEERING SCIENCE	484	416	-14.0	144	14	-2.1	150	130	*	109	81	-25.7	81	64	-21.0
INDUSTRIAL	1121	1011	-9.8	215	200	-7.0	162	148	-8.6	127	116	-8.7	617	547	-11.3
MECHANICAL	1227	1208	-1.5	289	243	-15.9	409	412	.7	151	151		378	402	6.3
METALLURGICAL AND MATERIALS	657	595	-9.4	126	105	-16.7	381	358	-6.0	59	65	10.2	91	67	-26.4
MINING	29	67	*	23	31	*		25		6	7	*		4	
NUCLEAR	155	166	7.1	50	71	*	30	26	-13.3	26	34	*	49	35	*
PETROLEUM	60	67	11.7	41	34	*	8	8		4	6	*	7	19	*
ENGINEERING, NEC	621	713	14.8	231	241	4.3	170	201	18.2	41	45	*	179	226	26.3
PHYSICAL SCIENCES	8033	7775	-3.2	1956	1698	-13.2	2839	2782	-2.0	2309	2427	5.1	929	868	-6.6
ASTRONOMY	151	163	7.9	64	57	-10.9	57	76	33.3	19	18	*	11	12	*
ATMOSPHERIC SCIENCES	72	59	-18.1	20	11	*	40	38	*	5	4	*	7	6	*
CHEMISTRY	3307	3177	-3.9	913	815	-10.7	989	904	-8.6	1185	1232	4.0	220	226	2.7
GEOSCIENCES	1126	1075	-4.5	271	212	-21.8	375	383	2.1	218	225	3.2	262	255	-2.7
OCEANOGRAPHY	241	249	3.3	33	38	*	90	91	1.1	10	16	*	108	104	-3.7
PHYSICS	3136	3052	-2.7	655	565	-13.7	1288	1290	.2	872	932	6.9	321	265	-17.4
MATHEMATICAL SCIENCES	2995	2783	-7.1	791	708	-10.5	457	413	-9.6	1031	1050	1.8	716	612	-14.5
APPLIED MATHEMATICS	652	627	-3.8	113	139	23.0	233	204	-12.4	105	117	11.4	201	167	-16.9
MATHEMATICS	2155	1944	-9.8	616	508	-17.5	168	161	-4.2	896	895	-.1	475	380	-20.0
STATISTICS	188	212	12.8	62	61	-1.6	56	48	-14.3	30	38	*	40	65	*
LIFE SCIENCES	6606	6553	-.8	3311	3204	-3.2	716	758	5.9	1115	1240	11.2	1464	1351	-7.7
AGRICULTURE	133	142	6.8	42	61	*	61	58	-4.9	11	8	*	19	15	*
ANATOMY	273	289	5.9	180	174	-3.3	10	42	*	23	23		60	50	-16.7
BIOCHEMISTRY	818	803	-1.8	525	464	-11.6	116	134	15.5	77	64	-16.9	100	141	41.0
BIOLOGY	1995	1927	-3.4	866	771	-11.0	134	137	2.2	478	561	17.4	517	458	-11.4
BIOMETRY AND BIOSTATISTICS	36	36		30	18	*							6	18	*
BIOPHYSICS	264	279	4.9	226	228	.9	9	17	*	1	15	*	30	19	*
BIOSCIENCES, NEC	528	430	-18.6	159	146	-8.2	33	20	*	154	185	20.1	182	79	-56.6
BOTANY	179	180	.6	31	34	*	41	42	*	68	64	-5.9	39	40	*
CELL BIOLOGY	153	180	17.6	98	124	26.5	10	6	*	19	23	*	26	27	*
ECOLOGY	61	65	6.6	18	25	*	20	8	*	20	28	*	3	4	*
ENTOMOLOGY AND PARASITOLOGY	69	64	-7.2	32	23	*	24	24		11	10	*	2	7	*
GENETICS	69	85	23.2	45	49	*		17		9	4	*	15	15	
MICROBIOLOGY	517	532	2.9	314	302	-3.8	58	63	8.6	60	75	25.0	85	92	8.2
NUTRITION	303	295	-2.6	137	126	-8.0	70	73	4.3	12	8	*	84	88	4.8
PATHOLOGY	188	198	5.3	120	121	.8	8	15	*	6	3	*	54	59	9.3
PHARMACOLOGY	278	294	5.8	193	196	1.6	17	13	*	36	48	*	32	45	*
PHYSIOLOGY	395	428	8.4	200	236	18.0	58	53	-8.6	22	18	*	115	121	5.2
ZOOLOGY	112	122	8.9	27	25	*	15	18	*	65	67	3.1	5	12	*
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	233	204	-12.4	68	81	19.1	32	18	*	43	44	*	90	61	-32.2
PSYCHOLOGY	3558	3818	7.3	1377	1294	-6.0	238	249	4.6	497	511	2.8	1446	1764	22.0
SOCIAL SCIENCES	9624	9585	-.4	3746	3691	-1.5	599	703	17.4	1114	1273	14.3	4165	3918	-5.9
AGRICULTURAL ECONOMICS	75	85	13.3	6	4	-33.3	31	41	*	19	16	*	19	24	*
ANTHROPOLOGY	1057	1078	2.0	400	439	9.7	53	54	1.9	107	152	42.1	497	433	-12.9
ECONOMICS (EXCEPT AGRICULTURE)	2226	2089	-6.2	936	942	.6	189	180	-4.8	262	333	27.1	839	634	-24.4
GEOGRAPHY	273	234	-14.3	82	75	-8.5	39	31	*	46	53	*	106	75	-29.2
HISTORY AND PHILOSOPHY OF SCIENCE	697	759	8.9	341	326	-4.4	30	38	*	121	136	12.4	205	259	26.3
LINGUISTICS	395	389	-1.5	204	199	-2.5	36	33	*	64	81	26.6	91	76	-16.5
POLITICAL SCIENCE	2571	2685	4.4	854	839	-1.8	74	124	67.6	224	235	4.9	1419	1487	4.8
SOCIOLOGY	2108	2098	-.5	841	781	-7.1	138	195	41.3	231	227	-1.7	898	895	-.3
SOCIOLOGY AND ANTHROPOLOGY	181	140	-22.7	42	64	52.4	9	7	*	40	40		90	29	-67.8
ALL OTHER SCIENCES, NEC															

* PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

TABLE D-4. FIRST-YEAR FULL-TIME GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS, BY FIELD OF SCIENCE AND TYPE OF MAJOR SUPPORT, 1972 AND 1973

AREA AND FIELD OF SCIENCE	TOTAL			FELLOWSHIPS AND TRAINEESHIPS			RESEARCH ASSISTANTSHIPS			TEACHING ASSISTANTSHIPS			OTHER TYPES OF SUPPORT		
	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE
TOTAL, ALL FIELDS OF SCIENCE	49617	48967	-1.3	9342	8599	-8.0	7802	8116	4.0	12422	13328	7.3	20051	18924	-5.6
ENGINEERING	12343	12561	1.8	2241	2249	.4	2738	3057	11.7	1791	1972	10.1	5573	5283	-5.2
AERONAUTICAL	405	374	-7.7	46	40	*	173	168	-2.9	46	44	*	140	122	-12.9
AGRICULTURAL	194	200	3.1	29	46	*	91	90	-1.1	19	21	*	55	43	-21.8
CHEMICAL	934	1080	15.6	261	303	16.1	231	303	31.2	205	221	7.8	237	253	6.8
CIVIL	2556	2720	6.4	753	670	-11.0	494	581	17.6	261	292	11.9	1048	1177	12.3
ELECTRICAL	3040	3051	.4	319	387	21.3	583	664	13.9	564	634	12.4	1574	1366	-13.2
ENGINEERING SCIENCE	408	424	3.9	64	73	14.1	101	117	15.8	86	84	-2.3	157	150	-4.5
INDUSTRIAL	1465	1345	-8.2	170	178	4.7	172	166	-3.5	115	138	20.0	1008	863	-14.4
MECHANICAL	1749	1681	-3.9	266	228	-14.3	433	463	6.9	284	306	7.7	766	684	-10.7
METALLURGICAL AND MATERIALS	428	492	15.0	61	69	13.1	211	259	22.7	62	76	22.6	94	88	-6.4
MINING	79	117	48.1	16	21	*	24	38	*	17	10	*	22	48	*
NUCLEAR	310	324	4.5	85	86	1.2	89	77	-13.5	36	49	*	100	112	12.0
PETROLEUM	67	77	14.9	23	22	*	25	24	*	6	5	*	13	26	*
ENGINEERING, NEC	708	676	-4.5	148	126	-14.9	111	107	-3.6	90	92	2.2	359	351	-2.2
PHYSICAL SCIENCES	7377	7306	-1.0	954	947	-.7	1004	924	-8.0	3802	4143	9.0	1617	1292	-20.1
ASTRONOMY	129	127	-1.6	32	41	*	25	24	*	41	35	*	31	27	*
ATMOSPHERIC SCIENCES	249	257	3.2	32	31	*	102	109	6.9	27	37	*	88	80	-9.1
CHEMISTRY	2939	3019	2.7	389	356	-8.5	174	141	-19.0	2069	2296	11.0	307	226	-26.4
GEOSCIENCES	1547	1515	-2.1	188	188		272	277	1.8	512	549	7.2	575	501	-12.9
OCEANOGRAPHY	406	320	-21.2	43	44	*	192	140	-27.1	3	15	*	168	121	-28.0
PHYSICS	2107	2068	-1.9	270	287	6.3	239	233	-2.5	1150	1211	5.3	448	337	-24.8
MATHEMATICAL SCIENCES	4391	4169	-5.1	532	503	-5.5	326	284	-12.9	1836	1828	-.4	1697	1554	-8.4
APPLIED MATHEMATICS	1017	1049	3.1	110	120	9.1	171	145	-15.2	216	235	8.8	520	549	5.6
MATHEMATICS	3040	2763	-9.1	353	327	-7.4	115	88	-23.5	1509	1473	-2.4	1063	875	-17.7
STATISTICS	334	357	6.9	69	56	-18.8	40	51	*	111	120	8.1	114	130	14.0
LIFE SCIENCES	10018	10259	2.4	2184	1722	-21.2	2044	2122	3.8	2276	2600	14.2	3514	3815	8.6
AGRICULTURE	2058	2135	3.7	233	291	24.9	853	872	2.2	132	149	12.9	840	823	-2.0
ANATOMY	248	225	-9.3	93	68	-26.9	8	19	*	49	53	*	98	85	-13.3
BIOCHEMISTRY	748	746	-.3	251	164	-34.7	191	196	2.6	143	158	10.5	163	228	39.9
BIOLOGY	1442	1536	6.5	254	217	-14.6	95	92	-3.2	589	642	9.0	504	585	16.1
BIOMETRY AND BIOSTATISTICS	56	78	39.3	36	28	*		10		2	3	*	18	37	*
BIOPHYSICS	161	131	-18.6	88	70	-20.5	23	15	*	19	16	*	31	30	*
BIOSCIENCES, NEC	712	742	4.2	86	62	-27.9	65	64	-1.5	252	355	40.9	309	261	-15.5
BOTANY	587	612	4.3	75	58	-22.7	135	142	5.2	202	207	2.5	175	205	17.1
CELL BIOLOGY	103	111	7.8	43	23	*	12	20	*	19	34	*	29	34	*
ECOLOGY	99	132	33.3	15	17	*	34	30	*	22	30	*	28	55	*
ENTOMOLOGY AND PARASITOLOGY	268	269	.4	37	33	*	93	124	33.3	18	22	*	120	90	-25.0
GENETICS	132	141	6.8	56	34	-39.3	16	17	*	19	22	*	41	68	*
MICROBIOLOGY	752	757	.7	228	163	-28.5	79	115	45.6	209	211	1.0	236	268	13.6
NUTRITION	431	442	2.6	121	82	-32.2	129	149	15.5	37	25	*	144	186	29.2
PATHOLOGY	168	176	4.8	109	81	-25.7	10	13	*	2	4	*	47	78	*
PHARMACOLOGY	281	265	-5.7	130	67	-48.5	37	43	*	49	81	*	65	74	13.8
PHYSIOLOGY	533	522	-2.1	114	92	-19.3	67	55	-17.9	100	108	8.0	252	267	6.0
ZOOLOGY	882	839	-4.9	82	75	-8.5	134	95	-29.1	359	398	10.9	307	271	-11.7
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	357	400	12.0	133	97	-27.1	63	51	-19.0	54	82	51.9	107	170	58.9
PSYCHOLOGY	4222	3928	-7.2	1176	923	-21.5	502	519	3.4	825	845	2.4	1719	1633	-5.0
SOCIAL SCIENCES	11262	10743	-4.6	2255	2252	-.1	1188	1210	1.9	1892	1940	2.5	5927	5341	-9.9
AGRICULTURAL ECONOMICS	392	386	-1.5	54	59	9.3	196	180	-8.2	30	16	*	112	131	17.0
ANTHROPOLOGY	1212	1193	-1.6	203	188	-7.4	66	51	-22.7	162	142	-12.3	781	812	4.0
ECONOMICS (EXCEPT AGRICULTURE)	2398	2387	-.5	496	520	4.8	280	332	18.6	421	418	-.7	1201	1117	-7.0
GEOGRAPHY	757	721	-4.8	86	84	-2.3	63	64	1.6	263	270	2.7	345	303	-12.2
HISTORY AND PHILOSOPHY OF SCIENCE	515	509	-1.2	128	136	6.3	25	30	*	121	122	.8	241	221	-8.3
LINGUISTICS	588	567	-3.6	177	191	7.9	43	38	*	91	109	19.8	277	229	-17.3
POLITICAL SCIENCE	2669	2669		514	557	8.4	190	200	5.3	334	395	18.3	1631	1517	-7.0
SOCIOLOGY	2379	2079	-12.6	537	478	-11.0	247	257	4.0	414	414		1181	930	-21.3
SOCIOLOGY AND ANTHROPOLOGY	333	220	-33.9	48	35	*	75	57	-24.0	56	54	-3.6	154	74	-51.9
ALL OTHER SCIENCES, NEC	4	9	*		3								4	6	*

* PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

TABLE D-5. FULL-TIME GRADUATE STUDENTS BEYOND THEIR FIRST YEAR IN ALL GRADUATE DEPARTMENTS, BY FIELD OF SCIENCE AND TYPE OF MAJOR SUPPORT, 1972 AND 1973

AREA AND FIELD OF SCIENCE	TOTAL			FELLOWSHIPS AND TRAINEESHIPS			RESEARCH ASSISTANTSHIPS			TEACHING ASSISTANTSHIPS			OTHER TYPES OF SUPPORT		
	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE
TOTAL, ALL FIELDS OF SCIENCE	101435	98338	-3.1	22580	20490	-9.3	24587	24891	1.2	26773	27093	1.2	27493	25864	-5.9
ENGINEERING	17947	16744	-6.7	2893	2441	-15.6	6368	6546	2.8	2833	2715	-4.2	5853	5042	-13.9
AERONAUTICAL	759	702	-7.5	78	48	-38.5	345	347	.6	85	81	-4.7	251	226	-10.0
AGRICULTURAL	332	316	-4.8	52	38	-26.9	150	161	7.3	27	16	*	103	101	-1.9
CHEMICAL	1955	1759	-10.0	430	335	-22.1	860	801	-6.9	283	305	7.8	382	318	-16.8
CIVIL	2609	2332	-10.6	499	298	-40.3	875	965	10.3	352	309	-12.2	883	760	-13.9
ELECTRICAL	4409	4006	-9.1	541	560	-3.6	1495	1424	-4.7	889	985	1.8	1444	1117	-22.6
ENGINFERING SCIENCE	901	832	-7.7	149	132	-11.4	356	341	-4.2	255	206	-19.2	141	153	8.5
INDUSTRIAL	1667	1604	-3.8	185	156	-15.7	302	367	21.5	194	191	-1.5	986	890	-9.7
MECHANICAL	2422	2286	-5.6	340	297	-12.6	783	881	12.5	429	401	-6.5	870	707	-18.7
METALLURGICAL AND MATERIALS	1164	1023	-12.1	171	127	-25.7	698	656	-6.0	122	101	-17.2	173	139	-19.7
MINING	168	182	8.3	33	38	*	84	85	1.2	17	23	*	34	36	*
NUCLEAR	548	555	1.3	134	132	-1.5	185	216	16.8	48	55	*	181	152	-16.0
PETROLEUM	127	107	-15.7	41	44	*	41	37	*	9	10	*	36	16	*
ENGINFERING, NEC	886	1040	17.4	200	236	18.0	194	265	36.6	123	112	-8.9	369	427	15.7
PHYSICAL SCIENCES	20747	19838	-4.4	3125	2520	-19.4	7689	7532	-2.0	7269	7148	-1.7	2664	2638	-1.0
ASTRONOMY	435	424	-2.5	88	77	-12.5	163	200	22.7	105	102	-2.9	79	45	-43.0
ATMOSPHERIC SCIENCES	486	503	3.5	55	42	-23.6	268	280	4.5	26	43	*	137	138	.7
CHEMISTRY	9828	8453	-6.4	1561	1257	-18.4	3013	2772	-8.0	3861	3785	-2.0	613	639	4.2
GEOSCIENCES	2858	2909	1.8	391	307	-21.5	785	818	4.2	927	937	1.1	755	847	12.2
OCEANOGRAPHY	872	913	4.7	112	125	11.6	522	557	6.7	44	41	*	194	190	-2.1
PHYSICS	7068	6636	-6.1	938	712	-24.1	2938	2905	-1.1	2306	2240	-2.9	886	779	-12.1
MATHEMATICAL SCIENCES	8370	8013	-4.3	1110	983	-11.4	946	920	-2.7	4020	4074	1.3	2294	2036	-11.2
APPLIED MATHEMATICS	1873	1795	-4.2	132	161	22.0	495	509	2.8	398	399	.3	848	726	-14.4
MATHEMATICS	5751	5456	-5.1	826	679	-17.8	277	216	-22.0	3405	3453	1.4	1243	1108	-10.9
STATISTICS	746	762	2.1	152	143	-5.9	174	195	12.1	217	222	2.3	203	202	-.5
LIFE SCIENCES	22581	22272	-1.4	6831	6591	-3.5	5956	6066	1.8	5879	5287	4.1	4715	4328	-8.2
AGRICULTURE	3530	3681	4.3	426	533	25.1	1921	1890	-1.6	264	281	6.4	919	977	6.3
ANATOMY	529	556	5.1	277	263	-5.1	43	58	*	95	144	51.6	114	91	-20.2
BIOCHEMISTRY	2098	2122	1.1	966	929	-3.8	602	664	10.3	318	315	-.9	212	214	.9
BIOLOGY	3331	2989	-10.3	994	861	-13.4	320	331	3.4	1131	1204	6.5	886	593	-33.1
BIOMETRY AND BIOSTATISTICS	103	131	27.2	61	64	4.9	7	10	*	11	11		24	46	*
BIOPHYSICS	475	508	6.9	294	302	2.7	95	122	28.4	36	36		50	48	-4.0
BIOSCIENCES, NEC	1451	1446	-.3	379	354	-6.6	188	209	11.2	565	577	2.1	319	306	-4.1
BOTANY	1598	1520	-4.4	210	182	-13.3	493	487	-1.2	568	594	4.6	319	257	-19.4
CELL BIOLOGY	311	329	5.8	163	192	17.8	69	59	-14.5	38	36	*	41	42	*
ECOLOGY	358	290	-19.0	66	49	-25.8	134	92	-31.3	58	70	20.7	100	79	-21.0
ENTOMOLOGY AND PARASITOLOGY	876	752	-14.2	148	115	-22.3	427	388	-9.1	86	96	11.6	215	153	-28.8
GENETICS	393	452	15.0	187	209	11.8	83	109	31.3	43	49	*	80	85	6.3
MICROBIOLOGY	1748	1698	-2.9	765	702	-8.2	309	350	13.3	382	401	5.0	284	237	-16.5
NUTRITION	729	814	11.7	213	180	-15.5	354	408	15.3	29	40	*	133	186	39.8
PATHOLOGY	297	350	17.8	193	218	13.0	14	27	*	9	16	*	81	89	9.9
PHARMACOLOGY	730	729	-.1	386	403	4.4	162	143	-11.7	107	102	-4.7	75	81	8.0
PHYSIOLOGY	1108	1126	1.6	479	484	1.0	212	176	-17.0	206	220	6.8	211	246	16.6
ZOOLOGY	2245	2177	-3.0	385	328	-14.8	408	428	4.9	963	937	-2.7	489	484	-1.0
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	687	618	-11.2	239	223	-6.7	115	115		170	158	-7.1	163	114	-30.1
PSYCHOLOGY	18084	18128	.4	3856	2895	-5.3	1208	1301	7.7	2291	2342	2.2	3529	3582	1.5
SOCIAL SCIENCES	21692	21332	-1.7	5565	5060	-9.1	2422	2526	4.3	5281	5527	4.7	8424	8219	-2.4
AGRICULTURAL ECONOMICS	738	771	4.5	113	124	9.7	407	417	2.5	52	46	-11.5	166	184	10.8
ANTHROPOLOGY	2918	2864	-1.9	760	762	.3	186	145	-22.0	641	726	13.3	1331	1231	-7.5
ECONOMICS (EXCEPT AGRICULTURE)	4519	4355	-3.6	1126	971	-13.8	615	626	1.8	1138	1302	14.4	1640	1456	-11.2
GEOGRAPHY	1348	1217	-9.7	223	186	-16.6	146	128	-12.3	464	457	-1.5	515	446	-13.4
HISTORY AND PHILOSOPHY OF SCIENCE	1288	1310	1.7	360	337	-6.4	42	66	*	424	462	9.0	462	445	-3.7
LINGUISTICS	1178	1183	.4	404	412	2.0	109	147	34.9	312	308	-1.3	353	316	-10.5
POLITICAL SCIENCE	4453	4482	.7	1100	927	-15.7	272	326	19.9	1003	954	-4.9	2078	2275	9.5
SOCIOLOGY	4828	4749	-1.6	1368	1219	-10.9	565	596	5.5	1142	1157	1.3	1753	1777	1.4
SOCIOLOGY AND ANTHROPOLOGY	356	339	-4.8	58	80	37.9	74	73	-1.4	105	110	4.8	119	76	-36.1
ALL OTHER SCIENCES, NEC	14	19	*										14	19	*

* PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

TABLE D-6. FULL-TIME U.S. CITIZEN GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS, BY FIELD OF SCIENCE AND TYPE OF MAJOR SUPPORT, 1972 AND 1973

AREA AND FIELD OF SCIENCE	TOTAL			FELLOWSHIPS AND TRAINEESHIPS			RESEARCH ASSISTANTSHIPS			TEACHING ASSISTANTSHIPS			OTHER TYPES OF SUPPORT		
	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE
TOTAL, ALL FIELDS OF SCIENCE	122364	119184	-2.6	27396	24254	-11.5	24031	24893	3.6	32629	33785	3.5	38308	36252	-5.4
ENGINEERING	19811	19198	-3.1	4058	3611	-11.0	5285	5748	8.8	3047	3102	1.8	7421	6737	-9.2
AERONAUTICAL	853	745	-12.7	104	65	-37.5	317	305	-3.8	85	76	-10.6	347	299	-13.8
AGRICULTURAL	301	297	-1.3	48	29	*	162	169	4.3	31	33	*	68	66	-2.9
CHEMICAL	1658	1559	-6.0	529	460	-13.0	575	597	3.8	280	277	-1.1	274	225	-17.9
CIVIL	3407	3399	-.2	1078	822	-23.7	785	945	20.4	424	424		1120	1208	7.9
ELECTRICAL	4916	4642	-5.6	703	744	5.8	1212	1254	3.5	984	1011	2.7	2017	1633	-19.0
ENGINEERING SCIENCE	798	812	1.8	171	178	4.1	222	234	5.4	179	157	-12.3	226	243	7.5
INDUSTRIAL	2219	2033	-8.4	262	234	-10.7	298	336	12.8	206	244	18.4	1453	1219	-16.1
MECHANICAL	2702	2603	-3.7	446	397	-11.0	753	827	9.8	478	487	1.9	1025	892	-13.0
METALLURGICAL AND MATERIALS	1004	962	-4.2	184	159	-13.6	542	561	3.5	124	121	-2.4	154	121	-21.4
MINING	114	142	24.6	24	24		47	53	*	23	23		20	42	*
NUCLEAR	641	668	4.2	199	182	-8.5	185	222	20.0	64	73	14.1	193	191	-1.0
PETROLEUM	79	69	-12.7	17	21	*	35	33	-5.7	8	9	*	19	6	*
ENGINEERING, NEC	1119	1267	13.2	301	296	-1.7	152	212	39.5	161	167	3.7	505	592	17.2
PHYSICAL SCIENCES	22623	21798	-3.6	3471	2961	-17.6	6872	6764	-1.6	8744	8906	1.9	3536	3267	-7.6
ASTRONOMY	511	498	-2.5	113	104	-8.0	158	198	25.3	136	132	-2.9	104	64	-38.5
ATMOSPHERIC SCIENCES	613	640	4.4	70	56	-20.0	291	308	5.8	44	71	*	208	205	-1.4
CHEMISTRY	9556	9021	-5.6	1679	1363	-18.8	2512	2322	-7.6	4704	4732	.6	661	604	-8.6
GEOSCIENCES	3895	3984	2.3	497	422	-15.1	877	950	8.3	1322	1403	6.1	1199	1209	.8
OCEANOGRAPHY	1141	1112	-2.5	140	141	.7	644	640	-.6	46	54	*	311	277	-10.9
PHYSICS	6907	6543	-5.3	972	775	-20.3	2390	2346	-1.8	2492	2514	.9	1053	908	-13.8
MATHEMATICAL SCIENCES	10394	9891	-4.8	1380	1189	-13.8	927	918	-1.0	4895	4938	.9	3192	2846	-10.8
APPLIED MATHEMATICS	2287	2284	-.1	196	219	11.7	508	515	1.4	499	516	3.4	1084	1034	-4.6
MATHEMATICS	7392	6846	-7.4	1010	822	-18.6	285	228	-20.0	4162	4159	-.1	1935	1637	-15.4
STATISTICS	715	761	6.4	174	148	-14.9	134	175	30.6	234	263	12.4	173	175	1.2
LIFE SCIENCES	27678	27706	.1	7938	7044	-11.3	6354	6649	4.6	6619	7172	8.4	6767	6841	1.1
AGRICULTURE	4155	4395	5.8	373	400	7.2	2211	2240	1.3	365	391	7.1	1206	1364	13.1
ANATOMY	736	741	.7	359	324	-9.7	45	65	*	133	182	36.8	199	170	-14.6
BIOCHEMISTRY	2396	2410	.6	1139	995	-12.6	590	671	13.7	367	386	5.2	300	358	19.3
BIOLOGY	4446	4214	-5.2	1159	1005	-13.3	377	382	1.3	1611	1728	7.3	1299	1099	-15.4
BIOMETRY AND BIOSTATISTICS	135	190	40.7	84	87	3.6	7	20	*	10	11	*	34	72	*
BIOPHYSICS	528	532	.8	352	336	-4.5	86	99	15.1	41	39	*	49	58	*
BIOSCIENCES, NEC	1977	2005	1.4	433	377	-12.9	204	242	18.6	762	870	14.2	578	516	-10.7
BOTANY	1813	1776	-2.0	213	168	-21.1	492	494	.4	722	754	4.4	386	360	-6.7
CELL BIOLOGY	352	389	10.5	189	197	4.2	58	63	8.6	44	63	*	61	66	8.2
ECOLOGY	435	401	-7.8	68	59	-13.2	163	112	-31.3	79	99	25.3	125	131	4.8
ENTOMOLOGY AND PARASITOLOGY	918	813	-11.4	126	89	-29.4	443	438	-1.1	96	111	15.6	253	175	-30.8
GENETICS	401	476	18.7	211	211		63	93	47.6	39	52	*	88	120	36.4
MICROBIOLOGY	2188	2169	-.9	923	783	-15.2	318	410	28.9	504	539	6.9	443	437	-1.4
NUTRITION	754	804	6.6	258	177	-31.4	288	356	23.6	59	62	5.1	149	209	40.3
PATHOLOGY	394	450	14.2	269	255	-5.2	13	28	*	8	17	*	104	150	44.2
PHARMACOLOGY	854	842	-1.4	473	430	-9.1	148	140	-5.4	117	140	19.7	116	132	13.8
PHYSIOLOGY	1479	1489	.7	551	541	-1.8	243	200	-17.7	266	288	8.3	419	460	9.8
ZOOLOGY	2942	2841	-3.4	419	354	-15.5	498	491	-1.4	1268	1282	1.1	757	714	-5.7
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	775	769	-.8	339	256	-24.5	107	105	-1.9	128	158	23.4	201	250	24.4
PSYCHOLOGY	13824	13356	-3.4	4120	3713	-9.9	1613	1737	7.7	2986	3064	2.6	5105	4842	-5.2
SOCIAL SCIENCES	28020	27214	-2.9	6429	5834	-9.3	2980	3077	3.3	6338	6603	4.2	12273	11700	-4.7
AGRICULTURAL ECONOMICS	741	750	1.2	68	62	-8.8	474	443	-6.5	62	47	-24.2	137	198	44.5
ANTHROPOLOGY	3861	3821	-1.0	901	874	-3.0	238	183	-20.4	766	835	9.0	1964	1929	-1.8
ECONOMICS (EXCEPT AGRICULTURE)	5049	4852	-3.9	1036	867	-16.3	642	736	14.6	1278	1371	7.3	2093	1878	-10.3
GEOGRAPHY	1830	1718	-6.1	250	214	-14.4	178	170	-4.5	648	646	.9	762	688	-9.7
HISTORY AND PHILOSOPHY OF SCIENCE	1700	1700		456	433	-5.0	60	87	45.0	515	558	8.3	669	622	-7.0
LINGUISTICS	1451	1408	-3.0	500	514	2.8	112	128	14.3	308	311	1.0	531	455	-14.3
POLITICAL SCIENCE	6270	6344	1.2	1430	1282	-10.3	421	465	10.5	1195	1230	2.9	3224	3367	4.4
SOCIOLOGY	6415	6049	-5.7	1632	1442	-11.6	728	746	2.5	1427	1447	1.4	2628	2414	-8.1
SOCIOLOGY AND ANTHROPOLOGY	619	501	-19.1	92	103	12.0	126	116	-7.9	147	153	4.1	254	129	-49.2
ALL OTHER SCIENCES, NEC	14	21	*		2								14	19	*

* PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

TABLE D-7. FULL-TIME FOREIGN GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS, BY FIELD OF SCIENCE AND TYPE OF MAJOR SUPPORT, 1972 AND 1973

AREA AND FIELD OF SCIENCE	TOTAL			FELLOWSHIPS AND TRAINEESHIPS			RESEARCH ASSISTANTSHIPS			TEACHING ASSISTANTSHIPS			OTHER TYPES OF SUPPORT		
	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE
TOTAL, ALL FIELDS OF SCIENCE	28688	28121	-2.0	4526	4835	6.8	8360	8114	-2.9	6566	6636	1.1	9236	8536	-7.6
ENGINEERING	10479	10107	-3.5	1076	1079	.3	3821	3855	.9	1577	1585	.5	4005	3588	-10.4
AERONAUTICAL	311	331	6.4	20	23	*	201	210	4.5	46	49	*	44	49	*
AGRICULTURAL	225	219	-2.7	41	55	*	79	82	3.8	15	4	*	90	78	-13.3
CHEMICAL	1231	1280	4.0	162	178	9.9	516	507	-1.7	208	249	19.7	345	346	.3
CIVIL	1758	1653	-6.0	174	146	-16.1	584	601	2.9	199	177	-6.3	811	729	-10.1
ELECTRICAL	2533	2415	-4.7	197	203	3.0	866	834	-3.7	469	528	12.6	1001	850	-15.1
ENGINEERING SCIENCE	511	444	-13.1	42	27	*	235	224	-4.7	162	133	-17.9	72	60	-16.7
INDUSTRIAL	913	916	.3	93	100	7.5	176	197	11.9	103	85	-17.5	541	534	-1.3
MECHANICAL	1469	1364	-7.1	160	128	-20.0	463	517	11.7	235	220	-6.4	611	499	-18.3
METALLURGICAL AND MATERIALS	588	553	-6.0	48	37	*	367	354	-3.5	60	56	-6.7	113	106	-6.2
MINING	133	157	18.0	25	35	*	61	70	14.8	11	10	*	36	42	*
NUCLEAR	217	211	-2.8	20	36	*	89	71	-20.2	20	31	*	88	73	-17.0
PETROLEUM	115	115		47	45	*	31	28	*	7	6	*	30	36	*
ENGINEERING, NEC	475	449	-5.5	47	66	*	153	160	4.6	52	37	-28.8	223	186	-16.6
PHYSICAL SCIENCES	5501	5346	-2.8	608	606	-.3	1821	1692	-7.1	2327	2385	2.5	745	663	-11.0
ASTRONOMY	53	53		7	14	*	30	26	*	10	5	*	6	8	*
ATMOSPHERIC SCIENCES	122	120	-1.6	17	17		79	81	2.5	9	9		17	13	*
CHEMISTRY	2411	2451	1.7	251	250	-.4	675	591	-12.4	1226	1349	10.0	259	261	.8
GEOSCIENCES	510	440	-13.7	82	73	-11.0	180	145	-19.4	117	83	-29.1	131	139	6.1
OCEANOGRAPHY	137	121	-11.7	15	28	*	70	57	-18.6	1	2	*	51	34	-33.3
PHYSICS	2268	2161	-4.7	236	224	-5.1	787	792	.6	964	937	-2.8	281	208	-26.0
MATHEMATICAL SCIENCES	2367	2291	-3.2	262	297	13.4	345	286	-17.1	961	964	.3	799	744	-6.9
APPLIED MATHEMATICS	603	560	-7.1	46	62	*	158	139	-12.0	115	118	2.6	284	241	-15.1
MATHEMATICS	1399	1373	-1.9	169	184	8.9	107	76	-29.0	752	767	2.0	371	346	-6.7
STATISTICS	365	358	-1.9	47	51	*	80	71	-11.2	94	79	-16.0	144	157	9.0
LIFE SCIENCES	4921	4825	-2.0	1077	1269	17.8	1646	1539	-6.5	736	715	-2.9	1462	1302	-10.9
AGRICULTURE	1433	1421	-.8	286	424	48.3	563	522	-7.3	31	39	*	553	436	-21.2
ANATOMY	41	40	*	11	7	*	6	12	*	11	15	*	13	6	*
BIOCHEMISTRY	450	458	1.8	78	98	25.6	203	189	-6.9	94	87	-7.4	75	84	12.0
BIOLOGY	327	311	-4.9	89	73	-18.0	38	41	*	109	118	8.3	91	79	-13.2
BIOMETRY AND BIOSTATISTICS	24	19	*	13	5	*				3	3		8	11	*
BIOPHYSICS	108	107	-.9	30	36	*	32	38	*	14	13	*	32	20	*
BIOSCIENCES, NEC	186	183	-1.6	32	39	*	49	31	*	55	62	12.7	50	51	*
BOTANY	364	356	-2.2	72	72		136	135	-.7	48	47	*	108	102	-5.6
CELL BIOLOGY	62	51	-17.7	17	18	*	23	16	*	13	7	*	9	10	*
ECOLOGY	22	21	-4.5	13	7	*	5	10	*	1	1		3	3	
ENTOMOLOGY AND PARASITOLOGY	226	208	-8.0	59	59		77	74	-3.9	8	7	*	82	68	-17.1
GENETICS	124	117	-5.6	32	32		36	33	*	23	19	*	33	33	
MICROBIOLOGY	304	278	-8.6	70	82	17.1	70	55	-21.4	87	73	-16.1	77	68	-11.7
NUTRITION	406	452	11.3	76	85	11.8	195	201	3.1	7	3	*	128	163	27.3
PATHOLOGY	71	76	7.0	33	44	*	11	12	*	3	3		24	17	*
PHARMACOLOGY	157	152	-3.2	43	40	*	51	46	-9.8	39	43	*	24	23	*
PHYSIOLOGY	162	159	-1.9	42	35	*	36	31	*	40	40		44	53	*
ZOOLOGY	185	175	-5.4	48	49	*	44	32	*	54	53	-1.9	39	41	*
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	269	241	-10.4	33	64	*	71	61	-14.1	96	82	-14.6	69	34	-50.7
PSYCHOLOGY	482	684	41.9	112	105	-6.3	97	83	-14.4	130	123	-5.4	143	373	160.8
SOCIAL SCIENCES	4934	4861	-1.5	1391	1478	6.3	630	659	4.6	835	864	3.5	2078	1860	-10.5
AGRICULTURAL ECONOMICS	389	407	4.6	99	121	22.2	129	154	19.4	20	15	*	141	117	-17.0
ANTHROPOLOGY	269	236	-12.3	62	76	22.6	22	13	*	37	33	*	148	114	-23.0
ECONOMICS (EXCEPT AGRICULTURE)	1868	1890	1.2	586	624	6.5	253	222	-12.3	281	349	24.2	748	695	-7.1
GEOGRAPHY	275	220	-20.0	59	56	-5.1	31	22	*	87	81	-6.9	98	61	-37.8
HISTORY AND PHILOSOPHY OF SCIENCE	103	119	15.5	32	40	*	7	9	*	30	26	*	34	44	*
LINGUISTICS	315	342	8.6	81	89	9.9	40	57	*	95	106	11.6	99	90	-9.1
POLITICAL SCIENCE	852	807	-5.3	184	202	9.8	41	61	*	142	119	-16.2	485	425	-12.4
SOCIOLOGY	792	779	-1.6	273	255	-6.6	84	107	27.4	129	124	-3.9	306	293	-4.2
SOCIOLOGY AND ANTHROPOLOGY	70	58	-17.1	14	12	*	23	14	*	14	11	*	19	21	10.
ALL OTHER SCIENCES, NEC	4	7	*		1								4	6	*

* PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

TABLE D-8. FULL-TIME GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS, BY SOURCE AND TYPE OF MAJOR SUPPORT, 1972 AND 1973

	TOTAL			FELLOWSHIPS AND TRAINEESHIPS			RESEARCH ASSISTANTSHIPS			TEACHING ASSISTANTSHIPS			OTHER TYPES OF SUPPORT		
	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE
TOTAL, ALL SOURCES OF SUPPORT	151052	147305	-2.5	31922	29089	-8.9	32391	33007	1.9	39195	40421	3.1	47544	44788	-5.8
ALL U.S. SOURCES, TOTAL	147981	143956	-2.7	30237	27154	-10.2	32271	32858	1.8	39195	40421	3.1	46278	43523	-6.0
U.S. GOVERNMENT, TOTAL	43907	38126	-13.2	19308	15034	-22.1	19444	19016	-2.2	398	248	-36.4	4765	3828	-19.7
ATOMIC ENERGY COMMISSION	1763	1451	-17.7	287	166	-19.8	1504	1240	-17.6				52	45	-13.5
DEPARTMENT OF DEFENSE	4814	4497	-6.6	179	277	54.7	2510	2269	-9.6				2125	1951	-8.2
DEPARTMENT OF HEALTH, EDUCATION AND WELFARE	16835	13017	-22.7	12827	9467	-26.2	3687	3348	-9.2	130	81	-37.7	191	121	-36.6
N.A.S.A.	1192	1155	-3.1	87	48	-44.8	1083	1075	-.7				22	32	45.5
NATIONAL SCIENCE FOUNDATION	10196	9096	-10.8	3362	2403	-28.5	6487	6498	.2	124	71	-42.7	223	124	-44.4
ALL OTHER U.S. GOVT.	9107	8910	-2.2	2646	2673	1.0	4173	4586	9.9	136	96	-29.4	2152	1555	-27.7
OTHER U.S. SOURCES	104074	105830	1.7	10929	12120	10.9	12827	13842	7.9	38805	40173	3.5	41513	39695	-4.4
INSTITUTIONAL SUPPORT	59503	62851	5.6	7527	8650	14.9	10211	10984	7.6	38571	39913	3.5	3194	3304	3.4
SELF-SUPPORT	35571	33971	-4.5										35571	33971	-4.5
ALL OTHER U.S. SOURCES	9000	9008	.1	3402	3470	2.0	2616	2858	9.3	234	260	11.1	2748	2420	-11.9
FOREIGN SOURCES, TOTAL	3071	3349	9.1	1685	1935	14.8	120	149	24.2				1266	1265	-.1

TABLE D-9. FULL-TIME GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS, BY SOURCE AND TYPE OF MAJOR SUPPORT AND CONTROL OF INSTITUTION, 1972 AND 1973

	TOTAL			FELLOWSHIPS AND TRAINEESHIPS			RESEARCH ASSISTANTSHIPS			TEACHING ASSISTANTSHIPS			OTHER TYPES OF SUPPORT		
	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE
ALL SOURCES OF MAJOR SUPPORT	151052	147305	-2.5	31922	29089	-8.9	32391	33007	1.9	39195	40421	3.1	47544	44788	-5.8
U.S. GOVERNMENT	43907	38126	-13.2	19308	15034	-22.1	19444	19016	-2.2	398	248	-36.4	4765	3828	-19.7
INSTITUTIONAL SUPPORT	59503	62851	5.6	7527	8650	14.9	10211	10984	7.6	38571	39913	3.5	3194	3304	3.4
OTHER OUTSIDE SUPPORT	12071	12357	2.4	5087	5405	6.3	2736	3007	9.9	234	260	11.1	4014	3685	-8.2
SELF-SUPPORT	35571	33971	-4.5										35571	33971	-4.5
PUBLIC INSTITUTIONS	110592	107591	-2.7	18286	16223	-11.3	24633	25162	2.1	31987	32659	2.4	35766	33547	-6.2
U.S. GOVERNMENT	29741	25730	-13.5	11967	9198	-23.1	13503	13033	-3.5	298	210	-29.5	3973	3289	-17.2
INSTITUTIONAL SUPPORT	46474	48535	4.4	3524	3914	11.1	8965	9754	8.8	31445	32256	2.6	2540	2611	2.8
OTHER OUTSIDE SUPPORT	7787	8157	4.8	2795	3111	11.3	2165	2375	9.7	164	193	17.7	2663	2478	-6.9
SELF-SUPPORT	26590	25169	-5.3										26590	25169	-5.3
PRIVATE INSTITUTIONS	40460	39714	-1.8	13636	12866	-5.6	7758	7845	1.1	7208	7762	6.5	11778	11241	-4.6
U.S. GOVERNMENT	14166	12396	-12.5	7341	5836	-20.5	5941	5983	.7	92	38	-58.7	792	539	-31.9
INSTITUTIONAL SUPPORT	13029	14316	9.9	4003	4736	18.3	1246	1230	-1.3	7126	7657	7.5	654	693	6.0
OTHER OUTSIDE SUPPORT	4284	4200	-2.0	2292	2294	.1	571	632	10.7	70	67	-4.3	1351	1207	-10.7
SELF-SUPPORT	8981	8802	-2.0										8981	8802	-2.0

TABLE D-10A. FULL-TIME GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS, BY SOURCE AND TYPE OF MAJOR SUPPORT AND CITIZENSHIP, 1972 AND 1973

	TOTAL			FELLOWSHIPS AND TRAINEESHIPS			RESEARCH ASSISTANTSHIPS			TEACHING ASSISTANTSHIPS			OTHER TYPES OF SUPPORT		
	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE
ALL SOURCES OF MAJOR SUPPORT	151052	147385	-2.5	31922	29089	-8.9	32391	33007	1.9	39195	40421	3.1	47544	44788	-5.8
U.S. GOVERNMENT	43907	38126	-13.2	19308	15034	-22.1	19444	19016	-2.2	390	248	-36.4	4765	3828	-19.7
INSTITUTIONAL SUPPORT	59503	62851	5.6	7527	8650	14.9	10211	10984	7.6	38571	39913	3.5	3194	3304	3.4
OTHER OUTSIDE SUPPORT	12071	12357	2.4	5087	5405	6.3	2736	3007	9.9	234	260	11.1	4014	3685	-8.2
SELF-SUPPORT	35571	33971	-4.5										35571	33971	-4.5
U.S. CITIZENS	122364	119184	-2.6	27396	24254	-11.5	24031	24893	3.6	32629	33785	3.5	38308	36252	-5.4
U.S. GOVERNMENT	37216	31732	-14.7	18515	14159	-23.5	14186	13955	-1.1	319	193	-39.5	4276	3425	-19.9
INSTITUTIONAL SUPPORT	48956	52229	6.7	6183	7314	18.3	7955	8733	9.8	32123	33378	3.9	2695	2804	4.0
OTHER OUTSIDE SUPPORT	7265	7335	1.0	2698	2781	3.1	1970	2205	11.9	187	214	14.4	2410	2135	-11.4
SELF-SUPPORT	28927	27888	-3.6										28927	27888	-3.6
FOREIGN STUDENTS	28688	28121	-2.0	4526	4835	6.8	8360	8114	-2.9	6566	6636	1.1	9236	8536	-7.6
U.S. GOVERNMENT	6691	6394	-4.4	793	875	10.3	5338	5061	-5.2	71	55	-22.5	489	403	-17.6
INSTITUTIONAL SUPPORT	10547	10622	.7	1344	1336	-.6	2256	2251	-.2	6448	6535	1.3	499	500	.2
OTHER OUTSIDE SUPPORT	4806	5022	4.5	2389	2624	9.8	766	802	4.7	47	46	*	1604	1550	-3.4
SELF-SUPPORT	6644	6083	-8.4										6644	6083	-8.4

* PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

TABLE D-10B. FULL-TIME GRADUATE STUDENTS IN ENGINEERING GRADUATE DEPARTMENTS, BY SOURCE AND TYPE OF MAJOR SUPPORT AND CITIZENSHIP, 1972 AND 1973

	TOTAL			FELLOWSHIPS AND TRAINEESHIPS			RESEARCH ASSISTANTSHIPS			TEACHING ASSISTANTSHIPS			OTHER TYPES OF SUPPORT		
	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE
ALL SOURCES OF MAJOR SUPPORT	30290	29305	-3.3	5134	4690	-8.6	9106	9603	5.5	4624	4687	1.4	11426	10325	-9.6
U.S. GOVERNMENT	11611	10647	-8.8	2737	2050	-25.1	5953	6063	1.8	73	51	-30.1	2248	1883	-16.2
INSTITUTIONAL SUPPORT	8324	8796	5.7	1040	1295	24.5	2193	2351	7.2	4515	4569	1.2	576	581	.9
OTHER OUTSIDE SUPPORT	3477	3758	7.9	1357	1345	-.9	960	1189	23.9	36	67	*	1124	1149	2.2
SELF-SUPPORT	7478	6712	-10.2										7478	6712	-10.2
U.S. CITIZENS	19811	19198	-3.1	4058	3611	-11.0	5285	5748	8.8	3047	3102	1.8	7421	6737	-9.2
U.S. GOVERNMENT	8033	7094	-11.7	2600	1928	-25.8	3364	3465	3.0	51	31	-39.2	2018	1670	-17.2
INSTITUTIONAL SUPPORT	5399	5911	9.5	718	982	38.3	1315	1491	13.4	2969	3034	2.2	405	404	-.2
OTHER OUTSIDE SUPPORT	1884	2028	7.6	748	701	-6.3	606	792	30.7	27	37	*	503	498	-1.0
SELF-SUPPORT	4495	4165	-7.3										4495	4165	-7.3
FOREIGN STUDENTS	10479	10107	-3.5	1076	1079	.3	3821	3855	.9	1577	1585	.5	4005	3588	-10.4
U.S. GOVERNMENT	2978	2953	-.8	137	122	-10.9	2589	2598	.3	22	20	*	230	213	-7.4
INSTITUTIONAL SUPPORT	2925	2885	-1.4	330	313	-5.2	878	860	-2.1	1546	1535	-.7	171	177	3.5
OTHER OUTSIDE SUPPORT	1593	1722	8.1	609	644	5.7	354	397	12.1	9	30	*	621	651	4.8
SELF-SUPPORT	2983	2547	-14.6										2983	2547	-14.6

* PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

TABLE D-10C. FULL-TIME GRADUATE STUDENTS IN PHYSICAL SCIENCE GRADUATE DEPARTMENTS, BY SOURCE AND TYPE OF MAJOR SUPPORT AND CITIZENSHIP, 1972 AND 1973

	TOTAL			FELLOWSHIPS AND TRAINEESHIPS			RESEARCH ASSISTANTSHIPS			TEACHING ASSISTANTSHIPS			OTHER TYPES OF SUPPORT		
	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE
ALL SOURCES OF MAJOR SUPPORT	28124	27144	-3.5	4079	3467	-15.0	8693	8456	-2.7	11071	11291	2.0	4281	3930	-8.2
U.S. GOVERNMENT	9702	8491	-12.5	2051	1271	-38.0	6906	6620	-4.1	52	21	-59.6	693	579	-16.5
INSTITUTIONAL SUPPORT	13822	14302	3.5	1276	1408	10.3	1264	1364	7.9	10978	11227	2.3	304	303	-.3
OTHER OUTSIDE SUPPORT	1691	1584	-6.3	752	788	4.8	523	472	-9.8	41	43	*	375	281	-25.1
SELF-SUPPORT	2909	2767	-4.9										2909	2767	-4.9
U.S. CITIZENS	22623	21798	-3.6	3471	2861	-17.6	6872	6764	-1.6	8744	8906	1.9	3536	3267	-7.6
U.S. GOVERNMENT	8189	7109	-13.2	2002	1225	-38.8	5483	5305	-3.2	44	16	*	660	563	-14.7
INSTITUTIONAL SUPPORT	10899	11327	3.9	1032	1159	12.3	973	1075	10.5	8668	8851	2.1	226	242	7.1
OTHER OUTSIDE SUPPORT	1110	1052	-5.2	437	477	9.2	416	384	-7.7	32	39	*	225	152	-32.4
SELF-SUPPORT	2425	2310	-4.7										2425	2310	-4.7
FOREIGN STUDENTS	5501	5346	-2.8	608	606	-.3	1821	1692	-7.1	2327	2385	2.5	745	663	-11.0
U.S. GOVERNMENT	1513	1382	-8.7	49	46	*	1423	1315	-7.6	8	5	*	33	16	*
INSTITUTIONAL SUPPORT	2923	2975	1.8	244	249	2.0	291	289	-.7	2310	2376	2.9	78	61	-21.8
OTHER OUTSIDE SUPPORT	581	532	-8.4	315	311	-1.3	107	88	-17.8	9	4	*	150	129	-14.0
SELF-SUPPORT	484	457	-5.6										484	457	-5.6

* PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

TABLE D-10D. FULL-TIME GRADUATE STUDENTS IN MATHEMATICAL SCIENCE GRADUATE DEPARTMENTS, BY SOURCE AND TYPE OF MAJOR SUPPORT AND CITIZENSHIP, 1972 AND 1973

	TOTAL			FELLOWSHIPS AND TRAINEESHIPS			RESEARCH ASSISTANTSHIPS			TEACHING ASSISTANTSHIPS			OTHER TYPES OF SUPPORT		
	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE
ALL SOURCES OF MAJOR SUPPORT	12761	12182	-4.5	1642	1486	-9.5	1272	1204	-5.3	5856	5902	.8	3991	3590	-10.0
U.S. GOVERNMENT	2014	1624	-19.4	802	570	-28.9	813	752	-7.5	51	31	-39.2	348	271	-22.1
INSTITUTIONAL SUPPORT	7018	7179	2.3	575	649	12.9	421	424	.7	5784	5854	1.2	238	252	5.9
OTHER OUTSIDE SUPPORT	632	715	13.1	265	267	.8	38	28	*	21	17	*	308	403	30.8
SELF-SUPPORT	3097	2664	-14.0										3097	2664	-14.0
U.S. CITIZENS	10394	9891	-4.8	1380	1189	-13.8	927	918	-1.0	4895	4938	.9	3192	2846	-10.8
U.S. GOVERNMENT	1720	1390	-19.2	785	559	-28.8	567	570	.5	43	25	*	325	236	-27.4
INSTITUTIONAL SUPPORT	5829	5938	1.9	471	522	10.8	329	332	.9	4837	4897	1.2	192	187	-2.6
OTHER OUTSIDE SUPPORT	372	409	9.9	124	108	-12.9	31	16	*	15	16	*	202	269	33.2
SELF-SUPPORT	2473	2154	-12.9										2473	2154	-12.9
FOREIGN STUDENTS	2367	2291	-3.2	262	297	13.4	345	286	-17.1	961	964	.3	799	744	-6.9
U.S. GOVERNMENT	294	234	-20.4	17	11	*	246	182	-26.0	8	6	*	23	35	*
INSTITUTIONAL SUPPORT	1189	1241	4.4	104	127	22.1	92	92		947	957	1.1	46	65	*
OTHER OUTSIDE SUPPORT	260	306	17.7	141	159	12.8	7	12	*	6	1	*	106	134	26.4
SELF-SUPPORT	624	510	-18.3										624	510	-18.3

* PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

TABLE D-10E. FULL-TIME GRADUATE STUDENTS IN LIFE SCIENCE GRADUATE DEPARTMENTS, BY SOURCE AND TYPE OF MAJOR SUPPORT AND CITIZENSHIP, 1972 AND 1973

	TOTAL			FELLOWSHIPS AND TRAINEESHIPS			RESEARCH ASSISTANTSHIPS			TEACHING ASSISTANTSHIPS			OTHER TYPES OF SUPPORT		
	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE
ALL SOURCES OF MAJOR SUPPORT	32599	32531	-.2	9015	8313	-7.8	8000	8188	2.3	7355	7887	7.2	8229	8143	-1.0
U.S. GOVERNMENT	11152	9476	-15.0	6764	5441	-19.6	3654	3638	-.4	126	93	-26.2	608	304	-50.0
INSTITUTIONAL SUPPORT	12597	13707	8.8	1316	1726	31.2	3449	3615	4.8	7149	7725	8.1	683	641	-6.1
OTHER OUTSIDE SUPPORT	2672	2882	7.9	935	1146	22.6	897	935	4.2	80	69	-13.7	760	732	-3.7
SELF-SUPPORT	6178	6466	4.7										6178	6466	4.7
U.S. CITIZENS	27678	27706	.1	7938	7044	-11.3	6354	6649	4.6	6619	7172	8.4	6767	6841	1.1
U.S. GOVERNMENT	9925	8371	-15.7	6495	5122	-21.1	2869	2942	2.5	97	74	-23.7	464	233	-49.8
INSTITUTIONAL SUPPORT	10942	12098	10.6	1072	1493	39.3	2830	3006	6.2	6456	7038	9.0	584	561	-3.9
OTHER OUTSIDE SUPPORT	1425	1516	6.4	371	429	15.6	655	701	7.0	66	60	-9.1	333	326	-2.1
SELF-SUPPORT	5386	5721	6.2										5386	5721	6.2
FOREIGN STUDENTS	4921	4825	-2.0	1077	1269	17.8	1646	1539	-6.5	736	715	-2.9	1462	1302	-10.9
U.S. GOVERNMENT	1227	1105	-9.9	269	319	18.6	785	696	-11.3	29	19	*	144	71	-50.7
INSTITUTIONAL SUPPORT	1655	1609	-2.8	244	233	-4.5	619	609	-1.6	693	687	-.9	99	80	-19.2
OTHER OUTSIDE SUPPORT	1247	1366	9.5	564	717	27.1	242	234	-3.3	14	9	*	427	406	-4.9
SELF-SUPPORT	792	745	-5.9										792	745	-5.9

* PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

TABLE D-10F. FULL-TIME GRADUATE STUDENTS IN PSYCHOLOGY GRADUATE DEPARTMENTS, BY SOURCE AND TYPE OF MAJOR SUPPORT AND CITIZENSHIP, 1972 AND 1973

	TOTAL			FELLOWSHIPS AND TRAINEESHIPS			RESEARCH ASSISTANTSHIPS			TEACHING ASSISTANTSHIPS			OTHER TYPES OF SUPPORT		
	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE
ALL SOURCES OF MAJOR SUPPORT	14306	14040	-1.9	4232	3818	-9.8	1710	1820	6.4	3116	3187	2.3	5248	5215	-.6
U.S. GOVERNMENT	4525	3828	-15.4	3270	2744	-16.1	985	850	-13.7	31	8	*	239	226	-5.4
INSTITUTIONAL SUPPORT	5054	5452	7.9	735	809	10.1	612	864	41.2	3058	3167	3.6	649	612	-5.7
OTHER OUTSIDE SUPPORT	935	976	4.4	227	265	16.7	113	106	-6.2	27	12	*	568	593	4.4
SELF-SUPPORT	3792	3784	-.2										3792	3784	-.2
U.S. CITIZENS	13824	13356	-3.4	4120	3713	-9.9	1613	1737	7.7	2986	3064	2.6	5105	4842	-5.2
U.S. GOVERNMENT	4425	3738	-15.5	3242	2714	-16.3	917	795	-13.3	31	8	*	235	221	-6.0
INSTITUTIONAL SUPPORT	4853	5244	8.1	699	764	9.3	592	841	42.1	2929	3044	3.9	633	595	-6.0
OTHER OUTSIDE SUPPORT	859	903	5.1	179	235	31.3	104	101	-2.9	26	12	*	550	555	.9
SELF-SUPPORT	3687	3471	-5.9										3687	3471	-5.9
FOREIGN STUDENTS	482	684	41.9	112	105	-6.3	97	83	-14.4	130	123	-5.4	143	373	160.8
U.S. GOVERNMENT	158	90	-10.0	28	30	*	68	55	-19.1				4	5	*
INSTITUTIONAL SUPPORT	201	208	3.5	36	45	*	20	23	*	129	123	-4.7	16	17	*
OTHER OUTSIDE SUPPORT	76	73	-3.9	48	30	*	9	5	*	1		*	18	39	*
SELF-SUPPORT	105	313	198.1										105	313	198.1

* PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

TABLE D-10G. FULL-TIME GRADUATE STUDENTS IN SOCIAL SCIENCE GRADUATE DEPARTMENTS, BY SOURCE AND TYPE OF MAJOR SUPPORT AND CITIZENSHIP, 1972 AND 1973

	TOTAL			FELLOWSHIPS AND TRAINEESHIPS			RESEARCH ASSISTANTSHIPS			TEACHING ASSISTANTSHIPS			OTHER TYPES OF SUPPORT		
	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE
ALL SOURCES OF MAJOR SUPPORT	32954	32075	-2.7	7820	7312	-6.5	3610	3736	3.5	7173	7467	4.1	14351	13560	-5.5
U.S. GOVERNMENT	5503	4660	-15.3	3684	2958	-19.7	1133	1093	-3.5	57	44	-22.8	629	565	-10.2
INSTITUTIONAL SUPPORT	12687	13413	5.7	2585	2761	6.8	2272	2366	4.1	7087	7371	4.0	743	915	23.1
OTHER OUTSIDE SUPPORT	2663	2449	-8.0	1551	1593	2.7	205	277	35.1	29	52	*	878	527	-40.0
SELF-SUPPORT	12101	11553	-4.5										12101	11553	-4.5
U.S. CITIZENS	28028	27214	-2.9	6429	5834	-9.3	2980	3077	3.3	6338	6683	4.2	12273	11780	-4.7
U.S. GOVERNMENT	4924	4030	-18.2	3391	2611	-23.0	906	878	-3.1	53	39	-26.4	574	502	-12.5
INSTITUTIONAL SUPPORT	11833	11789	6.1	2199	2392	8.8	1916	1988	3.8	6264	6514	4.0	654	815	24.6
OTHER OUTSIDE SUPPORT	1614	1427	-11.6	839	831	-1.0	158	211	33.5	21	50	*	596	335	-43.8
SELF-SUPPORT	10449	10048	-3.8										10449	10048	-3.8
FOREIGN STUDENTS	4934	4861	-1.5	1391	1478	6.3	630	659	4.6	835	864	3.5	2078	1860	-10.5
U.S. GOVERNMENT	579	630	8.8	293	347	18.4	227	215	-5.3	4	5	*	55	63	14.5
INSTITUTIONAL SUPPORT	1654	1704	3.0	386	369	-4.4	356	378	6.2	823	857	4.1	89	100	12.4
OTHER OUTSIDE SUPPORT	1049	1022	-2.6	712	762	7.0	47	66	*	8	2	*	282	192	-31.9
SELF-SUPPORT	1652	1505	-8.9										1652	1505	-8.9

* PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

94

TABLE D-10H. FULL-TIME GRADUATE STUDENTS IN ALL OTHER SCIENCES, NFC GRADUATE DEPARTMENTS, BY SOURCE AND TYPE OF MAJOR SUPPORT AND CITIZENSHIP, 1972 AND 1973

	TOTAL			FELLOWSHIPS AND TRAINEESHIPS			RESEARCH ASSISTANTSHIPS			TEACHING ASSISTANTSHIPS			OTHER TYPES OF SUPPORT		
	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE
ALL SOURCES OF MAJOR SUPPORT	18	28	*	3									18	25	*
U.S. GOVERNMENT															
INSTITUTIONAL SUPPORT	1	2	*	2									1		*
OTHER OUTSIDE SUPPORT	1	1		1									1		*
SELF-SUPPORT	16	25	*										16	25	*
U.S. CITIZENS	14	21	*	2									14	19	*
U.S. GOVERNMENT															
INSTITUTIONAL SUPPORT	1	2	*	2									1		*
OTHER OUTSIDE SUPPORT	1		*										1		*
SELF-SUPPORT	12	19	*										12	19	*
FOREIGN STUDENTS	4	7	*	1									4	6	*
U.S. GOVERNMENT															
INSTITUTIONAL SUPPORT															
OTHER OUTSIDE SUPPORT		1		1											
SELF-SUPPORT	4	6	*										4	6	*

* PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

TABLE D-11. FULL-TIME GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS, BY LEVEL OF STUDY, CONTROL OF INSTITUTION, AND TYPE OF MAJOR SUPPORT, 1972 AND 1973

	TOTAL			FELLOWSHIPS AND TRAINEESHIPS			RESEARCH ASSISTANTSHIPS			TEACHING ASSISTANTSHIPS			OTHER TYPES OF SUPPORT		
	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE
ALL SOURCES OF MAJOR SUPPORT	151052	147305	-2.5	31922	29089	-8.9	32391	33007	1.9	39195	40421	3.1	47544	44788	-5.8
FIRST-YEAR STUDENTS	49617	48967	-1.3	9342	8599	-8.0	7802	8116	4.0	12422	13328	7.3	20051	18924	-5.6
BEYOND-FIRST-YEAR STUDENTS	101435	98338	-3.1	22580	20490	-9.3	24589	24891	1.2	26773	27093	1.2	27493	25864	-5.9
PUBLIC INSTITUTIONS	110592	107591	-2.7	18286	16223	-11.3	24633	25162	2.1	31907	32659	2.4	35766	33547	-6.2
FIRST-YEAR STUDENTS	36750	36036	-1.9	5345	4650	-13.0	6272	6503	3.7	10168	10739	5.6	14965	14144	-5.5
BEYOND-FIRST-YEAR STUDENTS	73842	71555	-3.1	12941	11573	-10.6	18361	18659	1.6	21739	21920	.8	20801	19403	-6.7
PRIVATE INSTITUTIONS	40460	39714	-1.8	13636	12866	-5.6	7758	7845	1.1	7288	7762	6.5	11778	11241	-4.6
FIRST-YEAR STUDENTS	12867	12931	.5	3997	3949	-1.2	1530	1613	5.4	2254	2589	14.9	5086	4780	-6.0
BEYOND-FIRST-YEAR STUDENTS	27593	26783	-2.9	9639	8917	-7.5	6228	6232	.1	5034	5173	2.8	6692	6461	-3.5

TABLE D-12. FULL-TIME GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS, BY LEVEL OF STUDY, CITIZENSHIP, AND TYPE OF MAJOR SUPPORT, 1972 AND 1973

	TOTAL			FELLOWSHIPS AND TRAINEESHIPS			RESEARCH ASSISTANTSHIPS			TEACHING ASSISTANTSHIPS			OTHER TYPES OF SUPPORT		
	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE
ALL AREAS OF SCIENCE															
TOTAL	151052	147305	-2.5	31922	29089	-8.9	32391	33007	1.9	39195	40421	3.1	47544	44788	-5.8
FIRST-YEAR STUDENTS	49617	48967	-1.3	9342	8599	-8.0	7802	8116	4.0	12422	13328	7.3	20051	18924	-5.6
BEYOND-FIRST-YEAR STUDENTS	101435	98338	-3.1	22580	20490	-9.3	24589	24891	1.2	26773	27093	1.2	27493	25864	-5.9
U.S. CITIZENS	122364	119184	-2.6	27396	24254	-11.5	24031	24893	3.6	32629	33785	3.5	38308	36252	-5.4
FOREIGN STUDENTS	28688	28121	-2.0	4526	4835	6.8	8360	8114	-2.9	6566	6636	1.1	9236	8536	-7.6
ENGINEERING															
TOTAL	30290	29305	-3.3	5134	4690	-8.6	9106	9603	5.5	4624	4687	1.4	11426	10325	-9.6
FIRST-YEAR STUDENTS	12343	12561	1.8	2241	2249	.4	2738	3057	11.7	1791	1972	10.1	5573	5283	-5.2
BEYOND-FIRST-YEAR STUDENTS	17947	16744	-6.7	2893	2441	-15.6	6368	6546	2.8	2833	2715	-4.2	5853	5042	-13.9
U.S. CITIZENS	19811	19198	-3.1	4058	3611	-11.0	5285	5748	8.8	3047	3102	1.8	7421	6737	-9.2
FOREIGN STUDENTS	10479	10107	-3.5	1076	1079	.3	3821	3855	.9	1577	1585	.5	4005	3588	-10.4
PHYSICAL SCIENCES															
TOTAL	28124	27144	-3.5	4079	3467	-15.0	8693	8456	-2.7	11071	11291	2.0	4281	3930	-8.2
FIRST-YEAR STUDENTS	7377	7306	-1.0	954	947	-.7	1004	924	-8.0	3802	4143	9.0	1617	1292	-20.1
BEYOND-FIRST-YEAR STUDENTS	20747	19838	-4.4	3125	2520	-19.4	7689	7532	-2.0	7269	7148	-1.7	2664	2638	-1.0
U.S. CITIZENS	22623	21798	-3.6	3471	2861	-17.6	6872	6764	-1.6	8744	8906	1.9	3536	3267	-7.6
FOREIGN STUDENTS	5501	5346	-2.8	608	606	-.3	1821	1692	-7.1	2327	2385	2.5	745	663	-11.0
MATHEMATICAL SCIENCES															
TOTAL	12761	12182	-4.5	1642	1486	-9.5	1272	1204	-5.3	5856	5902	.8	3991	3590	-10.0
FIRST-YEAR STUDENTS	4391	4169	-5.1	532	503	-5.5	326	284	-12.9	1836	1828	-.4	1697	1554	-8.4
BEYOND-FIRST-YEAR STUDENTS	8370	8013	-4.3	1110	983	-11.4	946	920	-2.7	4020	4074	1.3	2294	2036	-11.2
U.S. CITIZENS	10394	9891	-4.8	1380	1189	-13.8	927	918	-1.0	4895	4938	.9	3192	2846	-10.8
FOREIGN STUDENTS	2367	2291	-3.2	262	297	13.4	345	286	-17.1	961	964	.3	799	744	-6.9
LIFE SCIENCES															
TOTAL	32599	32531	-.2	9015	8313	-7.8	8000	8188	2.3	7355	7887	7.2	8229	8143	-1.0
FIRST-YEAR STUDENTS	10018	10259	2.4	2184	1722	-21.2	2044	2122	3.8	2276	2600	14.2	3514	3815	8.6
BEYOND-FIRST-YEAR STUDENTS	22581	22272	-1.4	6831	6591	-3.5	5956	6066	1.8	5079	5287	4.1	4715	4328	-8.2
U.S. CITIZENS	27678	27706	.1	7938	7044	-11.3	6354	6649	4.6	6619	7172	8.4	6767	6841	1.1
FOREIGN STUDENTS	4921	4825	-2.0	1077	1269	17.8	1646	1539	-6.5	736	715	-2.9	1462	1302	-10.9
PSYCHOLOGY															
TOTAL	14306	14040	-1.9	4232	3819	-9.8	1710	1820	6.4	3116	3187	2.3	5248	5215	-.6
FIRST-YEAR STUDENTS	4222	3920	-7.2	1176	923	-21.5	502	519	3.4	825	845	2.4	1719	1633	-5.0
BEYOND-FIRST-YEAR STUDENTS	10084	10120	.4	3056	2895	-5.3	1208	1301	7.7	2291	2342	2.2	3529	3582	1.5
U.S. CITIZENS	13824	13356	-3.4	4120	3713	-9.9	1613	1737	7.7	2986	3064	2.6	5105	4842	-5.2
FOREIGN STUDENTS	482	684	41.9	112	105	-6.3	97	83	-14.4	130	123	-5.4	143	373	160.8
SOCIAL SCIENCES															
TOTAL	32954	32075	-2.7	7820	7312	-6.5	3610	3736	3.5	7173	7467	4.1	14351	13560	-5.5
FIRST-YEAR STUDENTS	11262	10743	-4.6	2255	2252	-.1	1188	1210	1.9	1892	1940	2.5	5927	5341	-9.9
BEYOND-FIRST-YEAR STUDENTS	21692	21332	-1.7	5565	5060	-9.1	2422	2526	4.3	5281	5527	4.7	8424	8219	-2.4
U.S. CITIZENS	28020	27214	-2.9	6429	5834	-9.3	2980	3077	3.3	6338	6603	4.2	12273	11700	-4.7
FOREIGN STUDENTS	4934	4861	-1.5	1391	1478	6.3	630	659	4.6	835	864	3.5	2078	1860	-10.5
ALL OTHER SCIENCES, NEC															
TOTAL	18	28	*	3									18	25	*
FIRST-YEAR STUDENTS	4	9	*	3									4	6	*
BEYOND-FIRST-YEAR STUDENTS	14	19	*										14	19	*
U.S. CITIZENS	14	21	*	2									14	19	*
FOREIGN STUDENTS	4	7	*	1									4	6	*

* PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

TABLE D-13. FULL-TIME GRADUATE STUDENTS IN ALL GRADUATE DEPARTMENTS, BY AREA OF SCIENCE, LEVEL OF STUDY, AND TYPE OF INSTITUTION: 1972 AND 1973

	TOTAL			FIRST 20 INSTITUTIONS			DEVELOPING INSTITUTIONS			MEDICAL SCHOOLS			INTERMEDIATE INSTITUTIONS		
	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE
TOTAL	151052	147305	-2.5	37202	36446	-2.0	20749	20802	.3	7164	7377	3.0	85937	82680	-3.8
ENGINEERING	30290	29305	-3.3	10239	9948	-2.9	3262	3129	-4.1		18		16789	16214	-3.4
PHYSICAL SCIENCES	28124	27144	-3.5	7402	7325	-1.0	4444	4326	-2.7	3	3		16275	15498	-4.8
MATHEMATICAL SCIENCES	12761	12182	-4.5	3211	3198	-.4	1975	1871	-5.3				7575	7113	-6.1
LIFE SCIENCES	32599	32531	-.2	5222	5391	3.2	3512	3612	2.8	7042	7255	3.0	16823	16273	-3.3
PSYCHOLOGY	14306	14040	-1.9	1901	1773	-6.7	3223	3342	3.7	53	58	9.4	9129	8867	-2.9
SOCIAL SCIENCES	32954	32075	-2.7	9211	8795	-4.5	4333	4522	4.4	66	43	-34.8	19344	18715	-3.3
ALL OTHER SCIENCES, NEC	18	28	*	16	24	*							2	4	*
FIRST-YEAR STUDENTS	49617	48967	-1.3	10919	10961	.4	8456	8247	-2.5	2148	2169	1.0	28094	27590	-1.8
ENGINEERING	12343	12561	1.8	3941	3979	1.0	1518	1495	-1.5		5		6884	7082	2.9
PHYSICAL SCIENCES	7377	7306	-1.0	1673	1756	5.0	1440	1430	-.7	3	1	*	4261	4119	-3.3
MATHEMATICAL SCIENCES	4391	4169	-5.1	897	957	6.7	857	785	-8.4				2637	2427	-8.0
LIFE SCIENCES	10018	10259	2.4	1340	1433	6.9	1318	1447	9.8	2113	2127	.7	5247	5252	.1
PSYCHOLOGY	4222	3920	-7.2	461	418	-9.3	1257	1140	-9.3	6	18	*	2498	2344	-6.2
SOCIAL SCIENCES	11262	10743	-4.6	2603	2413	-7.3	2066	1950	-5.6	26	18	*	6567	6362	-3.1
ALL OTHER SCIENCES, NEC	4	9	*	4	5	*								4	
BEYOND-FIRST-YEAR STUDENTS	101435	98338	-3.1	26283	25485	-3.0	12293	12555	2.1	5016	5208	3.8	57843	55090	-4.8
ENGINEERING	17947	16744	-6.7	6298	5961	-5.4	1744	1634	-6.3		13		9905	9136	-7.8
PHYSICAL SCIENCES	20747	19838	-4.4	5729	5569	-2.8	3004	2896	-3.6		2		12014	11371	-5.4
MATHEMATICAL SCIENCES	8370	8013	-4.3	2314	2241	-3.2	1118	1086	-2.9				4938	4686	-5.1
LIFE SCIENCES	22581	22272	-1.4	3882	3958	2.0	2194	2165	-1.3	4929	5128	4.0	11576	11021	-4.8
PSYCHOLOGY	10084	10120	.4	1440	1355	-5.9	1966	2202	12.0	47	40	*	6631	6523	-1.6
SOCIAL SCIENCES	21692	21332	-1.7	6808	6382	-3.4	2267	2572	13.5	40	25	*	12777	12353	-3.3
ALL OTHER SCIENCES, NEC	14	19	*	12	19	*							2		*

* PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

TABLE E-1. FULL-TIME GRADUATE STUDENTS IN DOCTORATE DEPARTMENTS BY FIELD OF SCIENCE AND TYPE OF MAJOR SUPPORT, 1972 AND 1973

AREA AND FIELD OF SCIENCE	TOTAL			FELLOWSHIPS AND TRAINEESHIPS			RESEARCH ASSISTANTSHIPS			TEACHING ASSISTANTSHIPS			OTHER TYPES OF SUPPORT		
	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE
TOTAL, ALL FIELDS OF SCIENCE	141224	136923	-3.0	31093	28272	-9.1	30882	31498	2.0	36251	37372	3.1	42998	39791	-7.5
ENGINEERING	28536	27448	-3.8	4942	4526	-8.4	8797	9251	5.2	4259	4270	.3	10538	9401	-10.8
AERONAUTICAL	1122	1040	-7.3	118	84	-28.8	501	498	-.6	129	123	-4.7	374	335	-10.4
AGRICULTURAL	394	371	-3.4	78	74	-5.1	177	189	6.8	33	31	*	96	77	-19.8
CHEMICAL	2784	2726	-2.1	687	632	-8.0	1074	1084	.9	472	496	5.1	551	514	-6.7
CIVIL	4818	4745	-1.5	1174	924	-21.3	1315	1486	13.0	543	516	-5.0	1786	1819	1.8
ELECTRICAL	7232	6850	-5.3	889	942	6.0	2051	2056	.2	1391	1471	5.8	2901	2381	-17.9
ENGINEERING SCIENCE	1287	1121	-7.1	288	283	-2.4	426	421	-1.2	317	263	-17.0	256	234	-8.6
INDUSTRIAL	2851	2688	-5.7	382	280	-7.3	461	522	13.2	291	310	6.5	1797	1576	-12.3
MECHANICAL	3985	3772	-5.3	590	515	-12.7	1182	1298	9.8	654	642	-1.8	1559	1317	-15.5
METALLURGICAL AND MATERIALS	1577	1498	-5.0	231	196	-15.2	898	900	.2	181	176	-2.8	267	226	-15.4
MINING	191	246	28.8	49	59	*	88	109	23.9	25	28	*	29	50	*
NUCLEAR	838	854	1.9	219	216	-1.4	268	286	6.7	80	95	18.7	271	257	-5.2
PETROLEUM	182	171	-6.0	61	63	3.3	60	54	-10.0	14	12	*	47	42	*
ENGINEERING, NEC	1365	1366	.1	336	338	.6	296	348	17.6	129	107	-17.1	604	573	-5.1
PHYSICAL SCIENCES	26934	25998	-3.5	4016	3392	-15.5	8496	8267	-2.7	10459	10712	2.4	3963	3627	-8.5
ASTRONOMY	545	541	-.7	120	114	-5.0	187	223	19.3	132	132		106	72	-32.1
ATMOSPHERIC SCIENCES	712	741	4.1	83	72	-13.3	357	376	5.3	53	80	50.9	219	213	-2.7
CHEMISTRY	11755	11263	-4.2	1910	1594	-16.5	3154	2883	-8.6	5813	5971	2.7	878	815	-7.2
GEOSCIENCES	3823	3824	0	559	455	-18.6	978	1012	3.5	1165	1215	4.3	1121	1142	1.9
OCEANOGRAPHY	1230	1184	-3.7	154	167	8.4	677	652	-3.7	46	56	*	353	309	-12.5
PHYSICS	8869	8445	-4.8	1190	990	-16.8	3143	3121	-.7	3250	3258	.2	1286	1076	-16.3
MATHEMATICAL SCIENCES	11799	11060	-6.3	1626	1454	-10.6	1220	1150	-5.7	5366	5400	.6	3587	3056	-14.8
APPLIED MATHEMATICS	2601	2504	-3.7	238	272	14.3	636	627	-1.4	558	564	1.1	1169	1041	-10.9
MATHEMATICS	8134	7453	-8.4	1167	983	-15.8	371	279	-24.8	4481	4497	.4	2115	1694	-19.9
STATISTICS	1064	1103	3.7	221	199	-10.0	213	244	14.6	327	339	3.7	303	321	5.9
LIFE SCIENCES	30996	30895	-.3	8840	8153	-7.8	7580	7792	2.8	6904	7402	7.2	7672	7548	-1.6
AGRICULTURE	4989	5213	4.5	622	751	20.7	2470	2484	.6	353	378	7.1	1544	1600	3.6
ANATOMY	776	779	.4	369	329	-10.8	51	77	51.0	144	197	36.8	212	176	-17.0
BIOCHEMISTRY	2843	2864	.7	1217	1093	-10.2	793	860	8.4	458	469	2.4	375	442	17.9
BIOLOGY	4288	4008	-6.5	1207	1068	-11.5	383	406	6.0	1478	1594	7.8	1220	940	-23.0
BIOMETRY AND BIOSTATISTICS	154	204	32.5	92	87	-5.4	7	28	*	13	14	*	42	83	*
BIOPHYSICS	626	632	1.0	380	365	-3.9	118	137	16.1	54	52	-3.7	74	78	5.4
BIOSCIENCES, NEC	1968	1979	.6	460	412	-10.4	243	261	7.4	713	802	12.5	552	504	-8.7
BOTANY	2143	2087	-2.6	279	236	-15.4	623	624	.2	750	782	4.3	491	445	-9.4
CELL BIOLOGY	414	440	6.3	206	215	4.4	81	79	-2.5	57	70	22.8	70	76	8.6
ECOLOGY	457	422	-7.7	81	66	-18.5	168	122	-27.4	80	100	25.0	128	134	4.7
ENTOMOLOGY AND PARASITOLOGY	1139	1016	-10.8	185	148	-20.0	518	511	-1.4	103	117	13.6	333	240	-27.9
GENETICS	525	593	13.0	243	243		99	126	27.3	62	71	14.5	121	153	26.4
MICROBIOLOGY	2443	2411	-1.3	983	858	-12.7	383	455	18.8	576	599	4.0	501	499	-.4
NUTRITION	1026	1109	8.1	284	231	-18.7	455	505	11.0	61	61		226	312	38.1
PATHOLOGY	465	526	13.1	302	299	-1.0	24	40	*	11	20	*	128	167	30.5
PHARMACOLOGY	1011	994	-1.7	516	478	-8.9	199	186	-6.5	156	183	17.3	140	155	10.7
PHYSIOLOGY	1617	1628	.7	593	569	-4.0	268	225	-16.0	293	321	9.6	463	513	10.8
ZOOLOGY	3118	3006	-3.6	467	401	-14.1	542	522	-3.7	1321	1334	1.0	788	749	-4.9
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	994	984	-1.0	354	312	-11.9	155	152	-1.9	221	238	7.7	264	282	6.8
PSYCHOLOGY	13366	13164	-1.5	4148	3768	-9.2	1621	1745	7.6	2900	3004	3.6	4697	4647	-1.1
SOCIAL SCIENCES	29577	28334	-4.2	7521	6979	-7.2	3168	3283	3.6	6363	6584	3.5	12525	11488	-8.3
AGRICULTURAL ECONOMICS	1035	1046	1.1	165	179	8.5	553	536	-3.1	67	50	-25.4	250	281	12.4
ANTHROPOLOGY	3856	3763	-2.4	953	944	-.9	214	172	-19.6	739	790	6.9	1950	1857	-4.8
ECONOMICS (EXCEPT AGRICULTURE)	6458	6159	-4.6	1605	1448	-9.8	844	887	5.1	1460	1624	11.2	2549	2200	-13.7
GEOGRAPHY	1784	1568	-12.1	288	246	-14.6	171	162	-5.3	580	580		745	580	-22.1
HISTORY AND PHILOSOPHY OF SCIENCE	1791	1808	.9	488	473	-3.1	67	96	43.3	540	579	7.2	696	660	-5.2
LINGUISTICS	1621	1591	-1.9	560	585	4.5	151	157	4.0	365	346	-5.2	545	503	-7.7
POLITICAL SCIENCE	6110	5940	-2.8	1508	1384	-7.7	362	434	19.9	1143	1126	-1.5	3105	2996	-3.5
SOCIOLOGY	6371	6010	-5.7	1802	1577	-12.5	702	756	7.7	1381	1389	.6	2486	2288	-8.0
SOCIOLOGY AND ANTHROPOLOGY	466	375	-19.5	95	97	2.1	95	80	-15.8	88	95	8.0	188	103	-45.2
ALL OTHER SCIENCES, NEC	16	24	*										16	24	*

* PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

0 LESS THAN 0.05 PERCENT CHANGE.

TABLE E-2. FULL-TIME GRADUATE STUDENTS IN DOCTORATE DEPARTMENTS IN PUBLICLY CONTROLLED INSTITUTIONS, BY FIELD OF SCIENCE AND TYPE OF MAJOR SUPPORT, 1972 AND 1973

AREA AND FIELD OF SCIENCE	TOTAL			FELLOWSHIPS AND TRAINEESHIPS			RESEARCH ASSISTANTSHIPS			TEACHING ASSISTANTSHIPS			OTHER TYPES OF SUPPORT		
	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE
TOTAL, ALL FIELDS OF SCIENCE	102249	99078	-3.1	17655	15633	-11.5	23257	23773	2.2	29401	30075	2.3	31936	29597	-7.3
ENGINEERING	19210	18531	-3.5	2576	2333	-9.4	5926	6361	7.3	3082	3054	-.9	7626	6783	-11.1
AERONAUTICAL	842	772	-8.3	65	40	-38.5	331	330	-.3	116	103	-11.2	330	299	-9.4
AGRICULTURAL	365	341	-6.6	73	60	-17.8	166	179	7.8	33	26	*	93	76	-18.3
CHEMICAL	1834	1785	-2.7	366	345	-5.7	766	777	1.4	329	339	3.0	373	324	-13.1
CIVIL	3675	3654	-.6	837	666	-20.4	1024	1200	17.2	403	384	-4.7	1411	1404	-.5
ELECTRICAL	4526	4393	-2.9	309	369	19.4	1259	1240	-1.5	1021	1060	3.8	1937	1724	-11.0
ENGINEERING SCIENCE	723	705	-2.5	64	62	-3.1	276	291	5.4	208	182	-12.5	175	170	-2.9
INDUSTRIAL	1828	1752	-4.2	135	129	-4.4	304	377	24.0	169	199	17.8	1220	1047	-14.2
MECHANICAL	2781	2582	-7.2	302	272	-9.9	779	888	14.0	508	496	-2.4	1192	926	-22.3
METALLURGICAL AND MATERIALS	928	903	-1.8	105	91	-13.3	517	542	4.8	122	111	-9.0	176	159	-9.7
MINING	162	179	10.5	26	28	*	88	84	-4.5	19	21	*	29	46	*
NUCLEAR	693	688	-.7	169	145	-14.2	238	260	9.2	54	61	13.0	22	222	
PETROLEUM	122	104	-14.8	20	29	45.0	52	46	-11.5	10	6	*	40	23	*
ENGINEERING, NEC	749	673	-10.1	105	97	-7.6	126	147	16.7	90	66	-26.7	428	363	-15.2
PHYSICAL SCIENCES	19074	18377	-3.7	2074	1706	-17.7	5680	5505	-3.1	8246	8375	1.6	3074	2791	-9.2
ASTRONOMY	395	379	-4.1	56	57	1.8	131	148	13.0	113	114	.9	95	60	-36.8
ATMOSPHERIC SCIENCES	640	682	6.6	63	61	-3.2	317	338	6.6	48	76	*	212	207	-2.4
CHEMISTRY	8509	8141	-4.3	1009	786	-22.1	2174	1985	-8.7	4658	4762	2.2	668	608	-9.0
GEOSCIENCES	2739	2778	1.4	289	244	-15.6	604	631	4.5	967	1012	4.7	879	891	1.4
OCEANOGRAPHY	999	949	-5.8	122	131	7.4	594	571	-3.9	36	40	*	247	207	-16.2
PHYSICS	5792	5448	-5.9	535	427	-20.2	1860	1832	-1.5	2424	2371	-2.2	973	818	-15.9
MATHEMATICAL SCIENCES	8991	8451	-6.0	841	758	-9.9	766	742	-3.1	4439	4444	.1	2945	2507	-14.9
APPLIED MATHEMATICS	1982	1885	-4.9	125	133	6.4	404	423	4.7	457	450	-1.5	996	879	-11.7
MATHEMATICS	6133	5675	-7.5	557	487	-12.6	205	123	-40.0	3685	3693	.2	1686	1372	-18.6
STATISTICS	876	891	1.7	159	138	-13.2	157	196	24.8	297	301	1.3	263	256	-2.7
LIFE SCIENCES	24557	24600	.2	5547	4961	-10.6	6875	7043	2.4	5869	6260	6.7	6266	6336	1.1
AGRICULTURE	4864	5078	4.4	580	690	19.0	2413	2431	.7	346	372	7.5	1525	1585	3.9
ANATOMY	583	490	-2.6	189	155	-18.0	41	35	*	121	174	43.8	152	126	-17.1
BIOCHEMISTRY	2825	2861	1.8	692	629	-9.1	677	726	7.2	381	405	6.3	275	301	9.5
BIOLOGY	2433	2311	-5.0	353	303	-14.2	256	273	6.6	1063	1114	4.8	761	621	-18.4
BIOMETRY AND BIOSTATISTICS	123	173	40.7	67	74	10.4	7	20	*	13	14	*	36	65	*
BIOPHYSICS	360	353	-1.9	154	137	-11.0	109	120	10.1	53	37	-30.2	44	59	*
BIOSCIENCES, NEC	1454	1565	7.6	302	267	-11.6	210	241	14.8	572	632	10.5	370	425	14.9
BOTANY	1964	1907	-2.9	248	202	-18.5	582	582		682	718	5.3	452	405	-10.4
CELL BIOLOGY	261	260	-.4	108	91	-15.7	71	73	2.8	38	47	*	44	49	*
ECOLOGY	396	357	-9.8	63	41	-34.9	148	114	-23.0	60	72	20.0	125	130	4.0
ENTOMOLOGY AND PARASITOLOGY	1070	952	-11.0	153	125	-18.3	494	487	-1.4	92	107	16.3	331	233	-29.6
GENETICS	456	508	11.4	198	194	-2.0	99	109	10.1	53	67	26.4	106	138	30.2
MICROBIOLOGY	1926	1879	-2.4	669	556	-16.9	325	392	20.6	516	524	1.6	416	407	-2.2
NUTRITION	723	814	12.6	147	105	-28.6	385	432	12.2	49	53	*	142	224	57.7
PATHOLOGY	277	328	18.4	182	178	-2.2	16	25	*	5	17	*	74	108	45.9
PHARMACOLOGY	733	700	-4.5	323	274	-15.2	182	173	-4.9	120	143	19.2	108	110	1.9
PHYSIOLOGY	1222	1200	-1.8	393	333	-15.3	210	172	-18.1	271	303	11.8	348	392	12.6
ZOOLOGY	3006	2884	-4.1	440	376	-14.5	527	504	-4.4	1256	1267	.9	783	737	-5.9
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	761	780	2.5	286	231	-19.2	123	134	8.9	178	194	9.0	174	221	27.0
PSYCHOLOGY	9904	9490	-4.2	2778	2495	-10.2	1401	1507	7.6	2452	2543	3.7	3273	2945	-10.0
SOCIAL SCIENCES	20497	19605	-4.4	3839	3380	-12.0	2609	2615	.2	5313	5399	1.6	8736	8211	-6.0
AGRICULTURAL ECONOMICS	960	961	.1	159	175	10.1	522	495	-5.2	48	34	*	231	257	11.3
ANTHROPOLOGY	2840	2728	-3.9	554	505	-8.8	165	120	-27.3	638	651	2.0	1483	1452	-2.1
ECONOMICS (EXCEPT AGRICULTURE)	4272	4183	-2.1	671	512	-23.7	663	713	7.5	1207	1306	8.2	1731	1652	-4.6
GEOGRAPHY	1516	1356	-10.6	207	178	-14.0	133	131	-1.5	536	527	-1.7	640	520	-18.7
HISTORY AND PHILOSOPHY OF SCIENCE	1099	1055	-4.0	147	147		37	58	*	419	443	5.7	496	407	-17.9
LINGUISTICS	1226	1202	-2.0	356	386	8.4	115	124	7.8	301	265	-12.0	454	427	-5.9
POLITICAL SCIENCE	3851	3774	-2.0	669	583	-12.9	309	331	7.1	958	930	-2.9	1915	1930	.8
SOCIOLOGY	4396	4050	-7.9	998	825	-17.3	569	567	-.4	1158	1181	2.0	1671	1477	-11.6
SOCIOLOGY AND ANTHROPOLOGY	293	250	-14.7	53	45	-15.1	87	73	-16.1	48	57	*	105	75	-28.6
ALL OTHER SCIENCES, NEC	16	24	*										16	24	*

* PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

TABLE E-3. FULL-TIME GRADUATE STUDENTS IN DOCTORATE DEPARTMENTS IN PRIVATELY CONTROLLED INSTITUTIONS, BY FIELD OF SCIENCE AND TYPE OF MAJOR SUPPORT, 1972 AND 1973

AREA AND FIELD OF SCIENCE	TOTAL			FELLOWSHIPS AND TRAINEESHIPS			RESEARCH ASSISTANTSHIPS			TEACHING ASSISTANTSHIPS			OTHER TYPES OF SUPPORT		
	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE
TOTAL, ALL FIELDS OF SCIENCE	38975	37845	-2.9	13438	12639	-5.9	7625	7715	1.2	6850	7297	6.5	11062	10194	-7.8
ENGINEERING	9326	8917	-4.4	2366	2193	-7.3	2871	2890	.7	1177	1216	3.3	2912	2618	-10.1
AERONAUTICAL	280	268	-4.3	53	44	-17.0	170	168	-1.2	13	20	*	44	36	*
AGRICULTURAL	19	30	*	5	14	*	11	10	*		5		3	1	*
CHEMICAL	950	941	-.9	321	287	-10.6	308	307	-.3	143	157	9.8	178	190	6.7
CIVIL	1143	1091	-4.5	337	258	-23.4	291	286	-1.7	140	132	-5.7	375	415	10.7
ELECTRICAL	2706	2457	-9.2	580	573	-1.2	792	816	3.0	370	411	11.1	964	657	-31.8
ENGINEERING SCIENCE	484	416	-14.0	144	141	-2.1	150	130	*	109	81	-25.7	81	64	-21.0
INDUSTRIAL	1023	936	-8.5	167	151	-9.6	157	145	-7.6	122	111	-9.0	577	529	-8.3
MECHANICAL	1204	1190	-1.2	288	243	-15.6	403	410	1.7	146	146		367	391	6.5
METALLURGICAL AND MATERIALS	657	595	-9.4	126	105	-16.7	381	358	-6.0	59	65	10.2	91	67	-26.4
MINING	29	67	*	23	31	*		25		6	7	*		4	
NUCLEAR	155	166	7.1	50	71	42.0	30	26	*	26	34	*	49	35	*
PETROLEUM	60	67	11.7	41	34	*	8	8		4	6	*	7	19	*
ENGINEERING, NEC	616	693	12.5	231	241	4.3	170	201	18.2	39	41	*	176	210	19.3
PHYSICAL SCIENCES	7860	7621	-3.0	1962	1686	-13.2	2816	2762	-1.9	2213	2337	5.6	889	836	-6.0
ASTRONOMY	150	162	8.0	64	57	-10.9	56	75	33.9	19	18	*	11	12	*
ATMOSPHERIC SCIENCES	72	59	-18.1	20	11	*	40	38	*	5	4	*	7	6	*
CHEMISTRY	3246	3122	-3.8	901	808	-10.3	980	898	-8.4	1155	1209	4.7	210	207	-1.4
GEOSCIENCES	1084	1044	-3.5	270	211	-21.9	374	381	1.9	198	203	2.5	242	251	3.7
OCEANOGRAPHY	231	235	1.7	32	36	*	83	81	-2.4	10	16	*	106	102	-3.8
PHYSICS	3077	2997	-2.6	655	563	-14.0	1283	1289	.5	826	887	7.4	313	258	-17.6
MATHEMATICAL SCIENCES	2808	2609	-7.1	785	696	-11.3	454	408	-10.1	927	956	3.1	642	549	-14.5
APPLIED MATHEMATICS	619	619		113	139	23.0	232	204	-12.1	101	114	12.9	173	162	-6.4
MATHEMATICS	2001	1778	-11.1	610	496	-18.7	166	156	-6.0	796	804	1.0	429	322	-24.9
STATISTICS	188	212	12.8	62	61	-1.6	56	48	-14.3	30	38	*	40	65	*
LIFE SCIENCES	6439	6295	-2.2	3293	3192	-3.1	705	749	6.2	1035	1142	10.3	1406	1212	-13.8
AGRICULTURE	125	135	8.0	42	61	*	57	53	-7.0	7	6	*	19	15	*
ANATOMY	273	289	5.9	180	174	-3.3	10	42	*	23	23		60	50	-16.7
BIOCHEMISTRY	818	803	-1.8	525	464	-11.6	116	134	15.5	77	64	-16.9	100	141	41.0
BIOLOGY	1855	1697	-8.5	854	765	-10.4	127	133	4.7	415	480	15.7	459	319	-30.5
BIOMETRY AND BIOSTATISTICS	31	31		25	13	*							6	18	*
BIOPHYSICS	266	279	4.9	226	228	.9	9	17	*	1	15	*	30	19	*
BIOSCIENCES, NEC	514	414	-19.5	158	145	-8.2	33	20	*	141	170	20.6	182	79	-56.6
BOTANY	179	180	.6	31	34	*	41	42	*	68	64	-5.9	39	40	*
CELL BIOLOGY	153	180	17.6	98	124	26.5	10	6	*	19	23	*	26	27	*
ECOLOGY	61	65	6.6	18	25	*	20	8	*	20	28	*	3	4	*
ENTOMOLOGY AND PARASITOLOGY	69	64	-7.2	32	23	*	24	24		11	10	*	2	7	*
GENETICS	69	85	23.2	45	49	*		17		9	4	*	15	15	
MICROBIOLOGY	517	532	2.9	314	302	-3.8	58	63	8.6	60	75	25.0	85	92	8.2
NUTRITION	303	295	-2.6	137	126	-8.0	70	73	4.3	12	8	*	84	88	4.8
PATHOLOGY	188	198	5.3	120	121	.8	8	15	*	6	3	*	54	59	9.3
PHARMACOLOGY	278	294	5.8	193	196	1.6	17	13	*	36	40	*	32	45	*
PHYSIOLOGY	395	428	8.4	200	236	18.0	58	53	-8.6	22	18	*	115	121	5.2
ZOOLOGY	112	122	8.9	27	25	-7.4	15	18	*	65	67	3.1	5	12	*
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	233	204	-12.4	68	81	19.1	32	18	*	43	44	*	90	61	-32.2
PSYCHOLOGY	3462	3674	6.1	1370	1273	-7.1	220	238	8.2	448	461	2.9	1424	1702	19.5
SOCIAL SCIENCES	9080	8729	-3.9	3682	3599	-2.3	559	668	19.5	1050	1185	12.9	3789	3277	-13.5
AGRICULTURAL ECONOMICS	75	85	13.3	6	4	*	31	41	*	19	16	*	19	24	*
ANTHROPOLOGY	1016	1035	1.9	399	439	10.0	49	52	*	101	139	37.6	467	405	-13.3
ECONOMICS (EXCEPT AGRICULTURE)	2186	1976	-9.6	934	936	.2	181	174	-3.9	253	318	25.7	818	548	-33.0
GEOGRAPHY	268	212	-20.9	81	68	-16.0	38	31	*	44	53	*	105	60	-42.9
HISTORY AND PHILOSOPHY OF SCIENCE	692	753	8.8	341	326	-4.4	30	38	*	121	136	12.4	200	253	26.5
LINGUISTICS	395	389	-1.5	204	199	-2.5	36	33	*	64	81	26.6	91	76	-16.5
POLITICAL SCIENCE	2259	2166	-4.1	831	801	-3.6	53	103	94.3	185	196	5.9	1190	1066	-10.4
SOCIOLOGY	1975	1960	-.8	804	752	-6.5	133	189	42.1	223	208	-6.7	815	811	-.5
SOCIOLOGY AND ANTHROPOLOGY	173	125	-27.7	42	52	*	8	7	*	40	38	*	83	28	-66.3
ALL OTHER SCIENCES, NEC															

* PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

TABLE E-4. FIRST-YEAR FULL-TIME GRADUATE STUDENTS IN DOCTORATE DEPARTMENTS, BY FIELD OF SCIENCE AND TYPE OF MAJOR SUPPORT, 1972 AND 1973

AREA AND FIELD OF SCIENCE	TOTAL			FELLOWSHIPS AND TRAINEESHIPS			RESEARCH ASSISTANTSHIPS			TEACHING ASSISTANTSHIPS			OTHER TYPES OF SUPPORT		
	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE
TOTAL, ALL FIELDS OF SCIENCE	44242	43297	-2.1	8874	8104	-8.6	6999	7323	4.6	10797	11675	8.1	17572	16191	-7.9
ENGINEERING	11328	11500	1.5	2099	2122	1.1	2549	2844	11.6	1569	1720	9.6	5111	4814	-5.8
AERONAUTICAL	383	358	-6.5	44	37	*	165	163	-1.2	44	42	*	130	116	-10.8
AGRICULTURAL	127	144	13.4	28	40	*	59	67	13.6	11	15	*	29	22	*
CHEMICAL	895	1026	14.6	260	299	15.0	222	295	32.9	196	200	2.0	217	232	6.9
CIVIL	2335	2511	7.5	698	631	-9.6	457	532	16.4	217	237	9.2	963	1111	15.4
ELECTRICAL	2929	2934	.2	313	383	22.4	563	638	13.3	529	600	13.4	1524	1313	-13.8
ENGINEERING SCIENCE	328	331	.9	60	71	18.3	76	85	11.8	67	65	-3.0	125	110	-12.0
INDUSTRIAL	1268	1182	-6.8	120	126	5.0	161	163	1.2	99	122	23.2	888	771	-13.2
MECHANICAL	1649	1571	-4.7	256	224	-12.5	414	432	4.3	249	269	8.0	730	646	-11.5
METALLURGICAL AND MATERIALS	419	478	14.1	61	69	13.1	283	246	21.2	61	76	24.6	94	87	-7.4
MINING	52	83	59.6	16	21	*	17	30	*	10	7	*	9	25	*
NUCLEAR	300	310	3.3	85	85		85	75	-11.8	35	42	*	95	108	13.7
PETROLEUM	60	69	15.0	22	28	*	22	19	*	5	4	*	11	26	*
ENGINEERING, NEC	583	503	-13.7	136	116	-14.7	195	99	-5.7	46	41	*	296	247	-16.6
PHYSICAL SCIENCES	6789	6749	-.6	915	916	.1	923	841	-8.9	3501	3849	9.9	1450	1143	-21.2
ASTRONOMY	114	121	6.1	32	37	*	24	24		29	33	*	29	27	*
ATMOSPHERIC SCIENCES	237	250	5.5	29	31	*	96	103	7.3	27	37	*	85	79	-7.1
CHEMISTRY	2841	2905	2.3	379	352	-7.1	164	125	-23.8	2012	2232	10.9	286	196	-31.5
GEOSCIENCES	1253	1217	-2.9	173	167	-3.5	239	235	-1.7	378	414	9.5	463	401	-13.4
OCEANOGRAPHY	382	305	-20.2	43	43		170	128	-24.7	3	15	*	166	119	-28.3
PHYSICS	1962	1951	-.6	259	286	10.4	230	226	-1.7	1052	1118	6.3	421	321	-23.8
MATHEMATICAL SCIENCES	3832	3566	-6.9	522	483	-7.5	297	253	-14.8	1510	1547	2.5	1503	1283	-14.6
APPLIED MATHEMATICS	889	878	-1.2	109	113	3.7	154	128	-16.9	177	196	10.7	449	441	-1.8
MATHEMATICS	2613	2331	-10.8	344	314	-8.7	103	74	-28.2	1222	1231	.7	944	712	-24.6
STATISTICS	330	357	8.2	69	56	-18.8	40	51	*	111	120	8.1	110	130	18.2
LIFE SCIENCES	9237	9466	2.5	2104	1652	-21.5	1848	1969	6.5	2062	2359	14.4	3223	3486	8.2
AGRICULTURE	1756	1857	5.8	209	252	20.6	713	767	7.6	109	122	11.9	725	716	-1.2
ANATOMY	248	224	-9.7	93	67	-28.0	8	19	*	49	53	*	98	85	-13.3
BIOCHEMISTRY	745	745		251	164	-34.7	191	196	2.6	140	157	12.1	163	228	39.9
BIOLOGY	1212	1255	3.5	233	215	-7.7	79	87	10.1	479	502	4.8	421	451	7.1
BIOMETRY AND BIOSTATISTICS	55	75	36.4	35	25	*		10		2	3	*	18	37	*
BIOPHYSICS	158	130	-17.7	88	69	-21.6	23	15	*	19	16	*	28	30	*
BIOSCIENCES, NEC	628	651	3.7	85	62	-27.1	58	61	5.2	215	303	40.9	270	225	-16.7
BOTANY	565	594	5.1	73	57	-21.9	132	140	6.1	188	200	6.4	172	197	14.5
CELL BIOLOGY	103	111	7.8	43	23	*	12	20	*	19	34	*	29	34	*
ECOLOGY	99	132	33.3	15	17	*	34	30	*	22	30	*	28	55	*
ENTOMOLOGY AND PARASITOLOGY	263	268	1.9	37	33	*	91	124	36.3	17	22	*	118	89	-24.6
GENETICS	132	141	6.8	56	34	-39.3	16	17	6.3	19	22	*	41	68	*
MICROBIOLOGY	725	746	2.9	223	161	-27.8	76	113	48.7	199	207	4.0	227	265	16.7
NUTRITION	371	370	-.3	100	68	-32.0	120	129	7.5	35	24	*	116	149	28.4
PATHOLOGY	168	176	4.8	109	81	-25.7	10	13	*	2	4	*	47	78	*
PHARMACOLOGY	281	265	-5.7	130	67	-48.5	37	43	*	49	81	*	65	74	13.8
PHYSIOLOGY	514	506	-1.6	114	89	-21.9	61	49	-19.7	87	101	16.1	252	267	6.0
ZOOLOGY	877	837	-4.6	82	75	-8.5	134	95	-29.1	358	397	10.9	303	270	-10.9
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	337	383	13.6	128	93	-27.3	53	41	-22.6	54	81	50.0	102	168	64.7
PSYCHOLOGY	3745	3473	-7.3	1138	899	-21.0	457	486	6.3	718	752	4.7	1432	1336	-6.7
SOCIAL SCIENCES	9307	8538	-8.3	2096	2036	-2.9	925	930	.5	1437	1448	.8	4849	4124	-15.0
AGRICULTURAL ECONOMICS	349	326	-6.6	54	57	5.6	172	147	-14.5	25	10	*	98	112	14.3
ANTHROPOLOGY	1086	1040	-4.2	199	186	-6.5	42	37	-11.9	147	113	-23.1	698	704	.9
ECONOMICS (EXCEPT AGRICULTURE)	2085	1968	-5.6	484	487	.6	238	281	18.1	343	348	1.5	1020	852	-16.5
GEOGRAPHY	591	501	-15.2	75	67	-10.7	46	45	*	188	188		282	201	-28.7
HISTORY AND PHILOSOPHY OF SCIENCE	509	502	-1.4	128	136	6.3	25	30	*	119	119		237	217	-8.4
LINGUISTICS	495	494	-.2	165	184	11.5	43	30	*	73	77	5.5	214	203	-5.1
POLITICAL SCIENCE	2043	2000	-2.1	455	499	9.7	124	126	1.6	203	240	18.2	1261	1135	-10.0
SOCIOLOGY	1923	1564	-18.7	483	395	-18.2	183	200	9.3	317	318	.3	940	651	-30.7
SOCIOLOGY AND ANTHROPOLOGY	297	131	-36.7	41	21	*	49	33	*	22	35	*	95	42	-55.8
ALL OTHER SCIENCES, NEC	4	5	*										4	5	*

* PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

TABLE E-5. FULL-TIME GRADUATE STUDENTS BEYOND THEIR FIRST YEAR IN DOCTORATE DEPARTMENTS, BY FIELD OF SCIENCE AND TYPE OF MAJOR SUPPORT, 1972 AND 1973

AREA AND FIELD OF SCIENCE	TOTAL			FELLOWSHIPS AND TRAINEESHIPS			RESEARCH ASSISTANTSHIPS			TEACHING ASSISTANTSHIPS			OTHER TYPES OF SUPPORT		
	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE
TOTAL, ALL FIELDS OF SCIENCE	96982	93626	-3.5	22219	20164	-9.2	23883	24165	1.2	25454	25697	1.0	25426	23600	-7.2
ENGINEERING	17208	15948	-7.3	2843	2404	-15.4	6248	6407	2.5	2690	2550	-5.2	5427	4587	-15.5
AERONAUTICAL	739	682	-7.7	74	47	-36.5	336	335	-.3	85	81	-4.7	244	219	-10.2
AGRICULTURAL	257	227	-11.7	50	34	*	118	122	3.4	22	16	*	67	55	*
CHEMICAL	1849	1700	-10.0	427	333	-22.0	852	789	-7.4	276	296	7.2	334	282	-15.6
CIVIL	2483	2234	-10.0	474	293	-38.4	858	954	11.2	326	279	-14.4	823	708	-14.0
ELECTRICAL	4303	3916	-9.0	576	550	-3.0	1488	1418	-4.7	862	871	1.0	1377	1068	-22.4
ENGINEERING SCIENCE	879	790	-10.1	148	132	-10.8	350	336	-4.0	250	198	-20.8	131	124	-5.3
INDUSTRIAL	1583	1506	-4.9	182	154	-15.4	300	359	19.7	192	188	-2.1	909	805	-11.4
MECHANICAL	2336	2201	-5.8	334	291	-12.9	768	866	12.8	405	373	-7.9	829	671	-19.1
METALLURGICAL AND MATERIALS	1158	1020	-11.9	170	127	-25.3	695	654	-5.9	120	100	-16.7	173	139	-19.7
MINING	139	163	17.3	33	38	*	71	79	11.3	15	21	*	20	25	25.0
NUCLEAR	538	544	1.1	134	131	-2.2	183	211	15.3	45	53	*	176	149	-15.3
PETROLEUM	122	102	-16.4	39	43	*	38	35	*	9	8	*	36	16	*
ENGINEERING, NEC	782	863	10.4	200	222	11.0	191	249	30.4	83	66	-20.5	308	326	5.8
PHYSICAL SCIENCES	20145	19249	-4.4	3101	2476	-20.2	7573	7426	-1.9	6958	6863	-1.4	2513	2484	-1.2
ASTRONOMY	431	420	-2.6	88	77	-12.5	163	199	22.1	103	99	-3.9	77	45	-41.6
ATMOSPHERIC SCIENCES	475	491	3.4	54	41	-24.1	261	273	4.6	26	43	*	134	134	
CHEMISTRY	8914	8358	-6.2	1531	1242	-18.9	2990	2758	-7.8	3801	3739	-1.6	592	619	4.6
GEOSCIENCES	2570	2607	1.4	386	288	-25.4	739	777	5.1	787	801	1.8	658	741	12.6
OCEANOGRAPHY	848	879	3.7	111	124	11.7	507	524	3.4	43	41	*	187	190	1.6
PHYSICS	6907	6494	-6.0	931	704	-24.4	2913	2895	-.6	2198	2140	-2.6	865	755	-12.7
MATHEMATICAL SCIENCES	7967	7494	-5.9	1104	971	-12.0	923	897	-2.8	3856	3853	-.1	2084	1773	-14.9
APPLIED MATHEMATICS	1712	1626	-5.0	129	159	23.3	482	499	3.5	381	368	-3.4	720	600	-16.7
MATHEMATICS	5521	5122	-7.2	823	669	-18.7	268	205	-23.5	3259	3266	.2	1171	982	-16.1
STATISTICS	734	746	1.6	152	143	-5.9	173	193	11.6	216	219	1.4	193	191	-1.0
LIFE SCIENCES	21759	21429	-1.5	6736	6501	-3.5	5732	5823	1.6	4842	5043	4.2	4449	4062	-8.7
AGRICULTURE	3233	3356	3.8	413	499	20.8	1757	1717	-2.3	244	256	4.9	819	884	7.9
ANATOMY	528	555	5.1	276	262	-5.1	43	58	*	95	144	51.6	114	91	-20.2
BIOCHEMISTRY	2098	2119	1.0	966	929	-3.8	602	664	10.3	318	312	-1.9	212	214	.9
BIOLOGY	3076	2753	-10.5	974	853	-12.4	304	319	4.9	999	1092	9.3	799	489	-38.8
BIOMETRY AND BIOSTATISTICS	99	129	30.3	57	62	8.8	7	10	*	11	11		24	46	*
BIOPHYSICS	468	502	7.3	292	296	1.4	95	122	28.4	35	36	*	46	48	*
BIOSCIENCES, NEC	1340	1328	-.9	375	350	-6.7	185	200	8.1	498	499	.2	282	279	-1.1
BOTANY	1578	1493	-5.4	206	179	-13.1	491	484	-1.4	562	582	3.6	319	248	-22.3
CELL BIOLOGY	311	329	5.8	163	192	17.8	69	59	-14.5	38	36	*	41	42	*
ECOLOGY	358	290	-19.0	66	49	-25.8	134	92	*	58	70	20.7	100	79	-21.0
ENTOMOLOGY AND PARASITOLOGY	876	748	-14.6	148	115	-22.3	427	387	-9.4	86	95	10.5	215	151	-29.8
GENETICS	393	452	15.0	187	209	11.8	83	109	31.3	43	49	*	80	85	6.3
MICROBIOLOGY	1718	1665	-3.1	760	697	-8.3	307	342	11.4	377	392	4.0	274	234	-14.6
NUTRITION	655	739	12.8	184	163	-11.4	335	376	12.2	26	37	*	110	163	48.2
PATHOLOGY	297	350	17.8	193	218	13.0	14	27	*	9	16	*	81	89	9.9
PHARMACOLOGY	730	729	-.1	386	403	4.4	162	143	-11.7	107	102	-4.7	75	81	8.0
PHYSIOLOGY	1103	1122	1.7	479	480	.2	207	176	-15.0	206	220	6.8	211	246	16.6
ZOOLOGY	2241	2169	-3.2	385	326	-15.3	408	427	4.7	963	937	-2.7	485	479	-1.2
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	657	601	-8.5	226	219	-3.1	102	111	8.8	167	157	-6.0	162	114	-29.6
PSYCHOLOGY	9621	9691	.7	3010	2869	-4.7	1164	1259	8.2	2182	2252	3.2	3265	3311	1.4
SOCIAL SCIENCES	20270	19796	-2.3	5425	4943	-8.9	2243	2353	4.9	4926	5136	4.3	7676	7364	-4.1
AGRICULTURAL ECONOMICS	686	720	5.0	111	122	9.9	381	389	2.1	42	40	*	152	169	11.2
ANTHROPOLOGY	2770	2723	-1.7	754	758	.5	172	135	-21.5	592	677	14.4	1252	1153	-7.9
ECONOMICS (EXCEPT AGRICULTURE)	4373	4191	-4.2	1121	961	-14.3	606	606		1117	1276	14.2	1529	1348	-11.8
GEOGRAPHY	1193	1067	-10.6	213	179	-16.0	125	117	-6.4	392	392		463	379	-18.1
HISTORY AND PHILOSOPHY OF SCIENCE	1282	1306	1.9	360	337	-6.4	42	66	*	421	460	9.3	459	443	-3.5
LINGUISTICS	1126	1097	-2.6	395	401	1.5	108	127	17.6	292	269	-7.9	331	300	-9.4
POLITICAL SCIENCE	4067	3940	-3.1	1045	885	-15.3	238	308	29.4	940	886	-5.7	1844	1861	.9
SOCIOLOGY	4448	4446	□	1319	1182	-10.4	519	556	7.1	1064	1071	.7	1546	1637	5.9
SOCIOLOGY AND ANTHROPOLOGY	259	244	-5.8	54	76	40.7	46	47	*	66	60	-9.1	93	61	-34.4
ALL OTHER SCIENCES, NEC	12	19	*										12	19	*

□ LESS THAN 0.05 PERCENT CHANGE.

* PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

TABLE E-6. FULL-TIME U.S. CITIZEN GRADUATE STUDENTS IN DOCTORATE DEPARTMENTS, BY FIELD OF SCIENCE AND TYPE OF MAJOR SUPPORT, 1972 AND 1973

AREA AND FIELD OF SCIENCE	TOTAL			FELLOWSHIPS AND TRAINEESHIPS			RESEARCH ASSISTANTSHIPS			TEACHING ASSISTANTSHIPS			OTHER TYPES OF SUPPORT		
	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE
TOTAL, ALL FIELDS OF SCIENCE	113938	110279	-3.2	26717	23582	-11.7	22752	23658	4.0	29987	31062	3.6	34482	31977	-7.3
ENGINEERING	18625	17861	-4.1	3895	3478	-10.9	5073	5515	8.7	2747	2766	.7	6910	6110	-11.6
AERONAUTICAL	827	721	-12.8	104	64	-38.5	305	293	-3.9	83	74	-10.8	335	290	-13.4
AGRICULTURAL	223	212	-4.9	39	26	*	117	131	12.0	24	28	*	43	27	*
CHEMICAL	1604	1505	-6.2	526	457	-13.1	566	585	3.4	270	258	-4.4	242	205	-15.3
CIVIL	3155	3136	-.6	1089	783	-22.4	741	895	20.8	362	347	-4.1	1043	1111	6.5
ELECTRICAL	4741	4512	-5.6	694	740	6.6	1194	1233	3.3	938	962	2.6	1955	1577	-19.3
ENGINEERING SCIENCE	730	715	-2.1	167	176	5.4	204	214	4.9	159	138	-13.2	200	187	-6.5
INDUSTRIAL	1981	1813	-8.5	212	181	-14.6	288	329	14.2	190	227	19.5	1291	1076	-16.7
MECHANICAL	2589	2491	-3.8	434	390	-10.1	728	800	9.9	432	441	2.1	995	860	-13.6
METALLURGICAL AND MATERIALS	991	950	-4.1	184	159	-13.6	532	551	3.6	121	120	-.8	154	120	-22.1
MINING	89	112	25.8	24	24		39	48	*	14	18	*	12	22	*
NUCLEAR	628	649	3.3	199	180	-9.5	181	216	19.3	60	67	11.7	188	186	-1.1
PETROLEUM	71	56	-21.1	14	18	*	32	26	*	7	6	*	18	6	*
ENGINEERING, NEC	956	989	3.5	289	272	-5.9	146	194	32.9	87	80	-8.0	434	443	2.1
PHYSICAL SCIENCES	21597	20806	-3.7	3420	2796	-18.2	6698	6600	-1.5	8221	8402	2.2	3258	3008	-7.7
ASTRONOMY	491	488	-1.0	113	100	-11.5	158	197	24.7	122	127	4.1	100	64	-36.0
ATMOSPHERIC SCIENCES	597	625	4.7	67	55	-17.9	284	298	4.9	44	71	*	202	201	-.5
CHEMISTRY	9386	8871	-5.5	1660	1348	-18.8	2489	2304	-7.4	4607	4647	.9	630	572	-9.2
GEOSCIENCES	3349	3413	1.9	478	386	-19.2	800	871	8.9	1065	1141	7.1	1006	1015	.9
OCEANOGRAPHY	1096	1066	-2.7	139	140	.7	610	597	-2.1	45	54	*	302	275	-8.9
PHYSICS	6676	6343	-5.0	963	767	-20.4	2357	2333	-1.0	2338	2362	1.0	1018	881	-13.5
MATHEMATICAL SCIENCES	9532	8914	-6.5	1365	1160	-15.0	884	873	-1.2	4430	4480	1.1	2853	2401	-15.8
APPLIED MATHEMATICS	2052	2001	-2.5	193	211	9.3	485	494	1.9	449	454	1.1	925	842	-9.0
MATHEMATICS	6771	6160	-9.0	998	801	-19.7	266	206	-22.6	3748	3764	.4	1759	1389	-21.0
STATISTICS	709	753	6.2	174	148	-14.9	133	173	30.1	233	262	12.4	169	170	.6
LIFE SCIENCES	26275	26297	.1	7821	6939	-11.3	5990	6323	5.6	6199	6720	8.4	6265	6315	.8
AGRICULTURE	3652	3903	6.9	367	360	-1.9	1946	2005	3.0	323	345	6.8	1016	1193	17.4
ANATOMY	735	739	.5	358	322	-10.1	45	65	*	133	182	36.8	199	170	-14.6
BIOCHEMISTRY	2394	2406	.5	1139	995	-12.6	590	671	13.7	365	382	4.7	300	358	19.3
BIOLOGY	3988	3721	-6.7	1123	997	-11.2	346	366	5.8	1384	1489	7.6	1135	869	-23.4
BIOMETRY AND BIOSTATISTICS	130	185	42.3	79	82	3.8	7	20	*	10	11	*	34	72	*
BIOPHYSICS	518	525	1.4	350	329	-6.0	86	99	15.1	40	39	*	42	58	*
BIOSCIENCES, NEC	1792	1807	.8	428	373	-12.9	196	232	18.4	662	746	12.7	506	456	-9.9
BOTANY	1783	1737	-2.6	207	164	-20.8	487	489	.4	706	740	4.8	383	344	-10.2
CELL BIOLOGY	352	389	10.5	189	197	4.2	58	63	8.6	44	63	*	61	66	8.2
ECOLOGY	435	401	-7.8	68	59	-13.2	163	112	-31.3	79	99	25.3	125	131	4.8
ENTOMOLOGY AND PARASITOLOGY	913	808	-11.5	126	89	-29.4	441	437	-.9	95	110	15.8	251	172	-31.5
GENETICS	401	476	18.7	211	211		63	93	47.6	39	52	*	88	120	36.4
MICROBIOLOGY	2142	2139	-.1	915	777	-15.1	313	402	28.4	490	528	7.8	424	432	1.9
NUTRITION	670	723	7.9	227	163	-28.2	270	325	20.4	56	59	5.4	117	176	50.4
PATHOLOGY	394	450	14.2	269	255	-5.2	13	28	*	8	17	*	104	150	44.2
PHARMACOLOGY	854	842	-1.4	473	430	-9.1	148	140	-5.4	117	140	19.7	116	132	13.8
PHYSIOLOGY	1455	1469	1.0	551	534	-3.1	232	194	-16.4	253	281	11.1	419	460	9.8
ZOOLOGY	2933	2832	-3.4	419	353	-15.8	696	490	-1.6	1267	1281	1.1	749	708	-5.5
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	734	745	1.5	322	249	-22.7	88	92	4.5	128	156	21.9	196	248	26.5
PSYCHOLOGY	12915	12518	-3.1	4048	3667	-9.4	1529	1665	8.9	2775	2883	3.9	4563	4303	-5.7
SOCIAL SCIENCES	24982	23864	-4.5	6168	5550	-10.0	2578	2682	4.0	5615	5811	3.5	10621	9821	-7.5
AGRICULTURAL ECONOMICS	676	664	-1.8	68	60	-11.8	427	386	-9.6	54	37	-31.5	127	181	42.5
ANTHROPOLOGY	3600	3537	-1.7	893	868	-2.8	193	159	-17.6	706	760	7.6	1808	1750	-3.2
ECONOMICS (EXCEPT AGRICULTURE)	4650	4366	-6.1	1021	833	-18.4	597	676	13.2	1193	1288	8.0	1839	1569	-14.7
GEOGRAPHY	1533	1368	-10.8	232	190	-18.1	141	142	.7	507	511	.8	653	525	-19.6
HISTORY AND PHILOSOPHY OF SCIENCE	1689	1689		456	433	-5.0	60	87	45.0	511	553	8.2	662	616	-6.9
LINGUISTICS	1321	1299	-1.7	482	499	3.5	111	116	4.5	278	268	-3.6	450	416	-7.6
POLITICAL SCIENCE	5365	5244	-2.3	1333	1207	-9.5	328	384	17.1	1027	1031	.4	2677	2622	-2.1
SOCIOLOGY	5639	5293	-6.1	1535	1331	-13.3	623	657	5.5	1258	1270	1.0	2223	2035	-8.5
SOCIOLOGY AND ANTHROPOLOGY	425	333	-21.6	84	86	2.4	89	72	-19.1	81	88	8.6	171	87	-49.1
ALL OTHER SCIENCES, NEC	12	19	*										12	19	*

* PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

TABLE E-7. FULL-TIME FOREIGN GRADUATE STUDENTS IN DOCTORATE DEPARTMENTS, BY FIELD OF SCIENCE AND TYPE OF MAJOR SUPPORT, 1972 AND 1973

AREA AND FIELD OF SCIENCE	TOTAL			FELLOWSHIPS AND TRAINEESHIPS			RESEARCH ASSISTANTSHIPS			TEACHING ASSISTANTSHIPS			OTHER TYPES OF SUPPORT		
	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE
TOTAL, ALL FIELDS OF SCIENCE	27286	26644	-2.4	4376	4690	7.2	8130	7830	-3.7	6264	6310	.7	8516	7814	-8.2
ENGINEERING	9911	9587	-3.3	1047	1056	.9	3724	3736	.3	1512	1504	-.5	3628	3291	-9.3
AERONAUTICAL	295	319	8.1	14	20	*	196	205	4.6	46	49	*	39	45	*
AGRICULTURAL	161	159	-1.2	39	48	*	60	58	-3.3	9	3	*	53	50	-5.7
CHEMICAL	1180	1221	3.5	161	175	8.7	588	609	-1.8	282	238	17.8	309	309	
CIVIL	1663	1609	-3.2	165	141	-14.5	574	591	3.0	181	169	-6.6	743	708	-4.7
ELECTRICAL	2451	2338	-4.6	195	202	3.6	857	823	-4.0	453	509	12.4	946	804	-15.0
ENGINEERING SCIENCE	477	406	-14.9	41	27	*	222	207	-6.8	158	125	-20.9	56	47	-16.1
INDUSTRIAL	870	875	.6	90	99	10.0	173	193	11.6	101	83	-17.8	506	500	-1.2
MECHANICAL	1396	1281	-8.2	156	125	-19.9	454	498	9.7	222	201	-9.5	564	457	-19.0
METALLURGICAL AND MATERIALS	586	548	-6.5	47	37	*	366	349	-4.6	60	56	-6.7	113	106	-6.2
MINING	102	134	31.4	25	35	*	49	61	*	11	18	*	17	28	*
NUCLEAR	210	205	-2.4	28	36	*	87	70	-19.5	28	28	*	83	71	-14.5
PETROLEUM	111	115	3.6	47	45	*	28	28		7	6	*	29	36	*
ENGINEERING, NEC	489	377	-7.8	47	66	*	150	154	2.7	42	27	*	170	130	-23.5
PHYSICAL SCIENCES	5337	5192	-2.7	596	596		1798	1667	-7.3	2238	2310	3.2	705	619	-12.2
ASTRONOMY	52	51	1.9	7	14	*	29	26	*	10	5	*	6	8	*
ATMOSPHERIC SCIENCES	115	116	.9	16	17	*	73	78	6.8	9	9		17	12	*
CHEMISTRY	2369	2392	1.0	258	246	-1.6	665	579	-12.9	1286	1324	9.8	248	243	-2.0
GEOSCIENCES	474	411	-13.3	81	69	-14.8	178	141	-20.8	100	74	-26.0	115	127	10.4
OCEANOGRAPHY	134	118	-11.9	15	27	*	67	55	-17.9	1	2	*	51	34	-33.3
PHYSICS	2193	2102	-4.1	227	223	-1.8	786	788	.3	912	896	-1.8	268	195	-27.2
MATHEMATICAL SCIENCES	2267	2146	-5.3	261	294	12.6	336	277	-17.6	936	920	-1.7	734	655	-10.8
APPLIED MATHEMATICS	549	503	-8.4	45	61	*	151	133	-11.9	109	110	.9	244	199	-18.4
MATHEMATICS	1383	1293	-6.5	169	182	7.7	105	73	-30.5	733	733		356	305	-14.3
STATISTICS	355	350	-1.4	47	51	*	80	71	-11.2	94	77	-18.1	134	151	12.7
LIFE SCIENCES	4721	4598	-2.6	1019	1214	19.1	1590	1469	-7.6	705	682	-3.3	1407	1233	-12.4
AGRICULTURE	1337	1310	-2.0	255	391	53.3	524	479	-8.6	30	33	*	528	407	-22.9
ANATOMY	41	40	*	11	7	*	6	12	*	11	15	*	13	6	*
BIOCHEMISTRY	449	458	2.0	78	98	25.6	203	189	-6.9	93	87	-6.5	75	84	12.0
BIOLOGY	300	287	-4.3	84	71	-15.5	37	40	*	94	105	11.7	85	71	-16.5
BIOMETRY AND BIOSTATISTICS	24	19	*	13	5	*				3	3		8	11	*
BIOPHYSICS	108	107	-.9	30	36	*	32	38	*	14	13	*	32	20	*
BIOSCIENCES, NEC	176	172	-2.3	32	39	*	47	29	*	51	56	9.8	46	48	*
BOTANY	360	350	-2.8	72	72		136	135	-.7	44	42	*	108	101	-6.5
CELL BIOLOGY	62	51	-17.7	17	18	*	23	16	*	13	7	*	9	10	*
ECOLOGY	22	21	*	13	7	*	5	10	*	1	1		3	3	
ENTOMOLOGY AND PARASITOLOGY	226	208	-8.0	59	59		77	74	-3.9	8	7	*	82	68	-17.1
GENETICS	124	117	-5.6	32	32		36	33	*	23	19	*	33	33	
MICROBIOLOGY	301	272	-9.6	68	81	19.1	78	53	-24.3	86	71	-17.4	77	67	-13.0
NUTRITION	356	346	-2.8	57	68	19.3	185	180	-2.7	5	7	*	109	136	24.8
PATHOLOGY	71	76	7.0	33	44	*	11	12	*	3	3		24	17	*
PHARMACOLOGY	157	152	-3.2	43	40	*	51	46	-9.8	39	43	*	24	23	*
PHYSIOLOGY	162	159	-1.9	42	35	*	36	31	*	40	40		44	53	*
ZOOLOGY	185	174	-5.9	48	48		44	32	*	54	53	-1.9	39	41	*
OTHER HEALTH SCIENCES (INCLUDES CLINICAL)	260	239	-8.1	32	63	*	67	60	-10.4	93	82	-11.8	68	34	-50.0
PSYCHOLOGY	451	646	43.2	100	101	1.0	92	80	-13.0	125	121	-3.2	134	344	156.7
SOCIAL SCIENCES	4595	4670	-2.7	1353	1429	5.6	590	601	1.9	748	773	3.3	1904	1667	-12.4
AGRICULTURAL ECONOMICS	359	382	6.4	97	119	22.7	126	150	19.0	13	13		123	100	-18.7
ANTHROPOLOGY	256	226	-11.7	68	76	26.7	21	13	*	33	30	*	142	107	-24.6
ECONOMICS (EXCEPT AGRICULTURE)	1808	1793	-.8	584	615	5.3	247	211	-14.6	267	336	25.8	710	631	-11.1
GEOGRAPHY	251	200	-20.3	56	56		30	28	*	73	69	-5.5	92	55	-40.2
HISTORY AND PHILOSOPHY OF SCIENCE	102	119	16.7	32	40	*	7	9	*	29	26	*	34	44	*
LINGUISTICS	308	292	-2.7	78	86	10.3	48	41	*	87	78	-10.3	95	87	-8.4
POLITICAL SCIENCE	745	696	-6.6	167	177	6.0	34	58	*	116	95	-18.1	428	374	-12.6
SOCIOLOGY	732	717	-2.0	267	246	-7.9	79	99	25.3	123	119	-3.3	263	253	-3.8
SOCIOLOGY AND ANTHROPOLOGY	41	42	2.4	11	11		6	8	*	7	7		17	16	*
ALL OTHER SCIENCES, NEC	4	5	*										4	5	*

* PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

TABLE E-8. FULL-TIME GRADUATE STUDENTS IN DOCTORATE DEPARTMENTS, BY SOURCE AND TYPE OF MAJOR SUPPORT, 1972 AND 1973

	TOTAL			FELLOWSHIPS AND TRAINEESHIPS			RESEARCH ASSISTANTSHIPS			TEACHING ASSISTANTSHIPS			OTHER TYPES OF SUPPORT		
	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE
TOTAL, ALL SOURCES OF SUPPORT	141224	136923	-3.0	31093	28272	-9.1	30882	31488	2.0	36251	37372	3.1	42998	39791	-7.5
ALL U.S. SOURCES, TOTAL	138317	133770	-3.3	29477	26402	-10.4	30768	31361	1.9	36251	37372	3.1	41821	38635	-7.6
U.S. GOVERNMENT, TOTAL	42299	36650	-13.4	18855	14692	-22.1	18895	18518	-2.0	333	204	-38.7	4216	3236	-23.2
ATOMIC ENERGY COMMISSION	1750	1438	-17.8	206	159	-22.8	1496	1234	-17.5				48	45	.
DEPARTMENT OF DEFENSE	4476	4012	-10.4	175	217	24.0	2481	2238	-9.8				1820	1557	-14.5
DEPARTMENT OF HEALTH, EDUCATION AND WELFARE	16554	12868	-22.3	12638	9380	-25.8	3611	3294	-8.8	122	75	-38.5	183	119	-35.0
N.A.S.A.	1179	1136	-3.6	84	47	-44.0	1074	1057	-1.6				21	32	.
NATIONAL SCIENCE FOUNDATION	10013	8962	-10.7	3300	2377	-28.0	6392	6409	.3	99	56	-43.4	222	100	-55.0
ALL OTHER U.S. GOVT.	8327	8254	-.9	2452	2512	2.4	3841	4286	11.6	112	73	-34.8	1922	1383	-28.0
OTHER U.S. SOURCES	96018	97120	1.1	10622	11710	10.2	11873	12843	8.2	35918	37168	3.5	37605	35399	-5.9
INSTITUTIONAL SUPPORT	55300	58409	5.6	7312	8366	14.4	9389	10152	8.1	35700	36934	3.5	2899	2957	2.0
SELF-SUPPORT	32166	30162	-6.2										32166	30162	-6.2
ALL OTHER U.S. SOURCES	8552	8549	□	3310	3344	1.0	2484	2691	8.3	218	234	7.3	2540	2280	-10.2
FOREIGN SOURCES, TOTAL	2907	3153	8.5	1616	1870	15.7	114	127	11.4				1177	1156	-1.8

□ LESS THAN 0.05 PERCENT CHANGE.

TABLE E-9. FULL-TIME GRADUATE STUDENTS IN DOCTORATE DEPARTMENTS, BY SOURCE AND TYPE OF MAJOR SUPPORT AND CONTROL OF INSTITUTION, 1972 AND 1973

	TOTAL			FELLOWSHIPS AND TRAINEESHIPS			RESEARCH ASSISTANTSHIPS			TEACHING ASSISTANTSHIPS			OTHER TYPES OF SUPPORT		
	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE
ALL SOURCES OF MAJOR SUPPORT	141224	136923	-3.0	31093	28272	-9.1	30882	31488	2.0	36251	37372	3.1	42998	39791	-7.5
U.S. GOVERNMENT	42299	36650	-13.4	18855	14692	-22.1	18895	18518	-2.0	333	204	-38.7	4216	3236	-23.2
INSTITUTIONAL SUPPORT	55300	58409	5.6	7312	8366	14.4	9389	10152	8.1	35700	36934	3.5	2899	2957	2.0
OTHER OUTSIDE SUPPORT	11459	11702	2.1	4926	5214	5.8	2598	2818	8.5	218	234	7.3	3717	3436	-7.6
SELF-SUPPORT	32166	30162	-6.2										32166	30162	-6.2
PUBLIC INSTITUTIONS	102249	99078	-3.1	17655	15633	-11.5	23257	23773	2.2	29401	30075	2.3	31936	29597	-7.3
U.S. GOVERNMENT	28328	24438	-13.7	11622	8959	-22.9	12992	12589	-3.1	254	174	-31.5	3452	2716	-21.3
INSTITUTIONAL SUPPORT	42897	44794	4.4	3373	3707	9.9	8223	8983	9.2	28996	29732	2.5	2305	2372	2.9
OTHER OUTSIDE SUPPORT	7278	7623	4.7	2660	2967	11.5	2042	2201	7.8	151	169	11.9	2425	2286	-5.7
SELF-SUPPORT	23754	22223	-6.4										23754	22223	-6.4
PRIVATE INSTITUTIONS	38975	37845	-2.9	13438	12639	-5.9	7625	7715	1.2	6850	7297	6.5	11062	10194	-7.8
U.S. GOVERNMENT	13979	12212	-12.6	7233	5733	-20.7	5903	5929	.4	79	30	-62.0	764	520	-31.9
INSTITUTIONAL SUPPORT	12403	13615	9.8	3939	4659	18.3	1166	1169	.3	6704	7202	7.4	594	585	-1.5
OTHER OUTSIDE SUPPORT	4181	4079	-2.4	2266	2247	-.8	556	617	11.0	67	65	-3.0	1292	1150	-11.0
SELF-SUPPORT	8412	7939	-5.6										8412	7939	-5.6

TABLE E-10A. FULL-TIME GRADUATE STUDENTS IN DOCTORATE DEPARTMENTS, BY SOURCE AND TYPE OF MAJOR SUPPORT AND CITIZENSHIP, 1972 AND 1973

	TOTAL			FELLOWSHIPS AND TRAINEESHIPS			RESEARCH ASSISTANTSHIPS			TEACHING ASSISTANTSHIPS			OTHER TYPES OF SUPPORT		
	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE
ALL SOURCES OF MAJOR SUPPORT	141224	136923	-3.0	31093	28272	-9.1	30882	31489	2.0	36251	37372	3.1	42998	39791	-7.5
U.S. GOVERNMENT	42299	38650	-13.4	18855	14692	-22.1	18895	18518	-2.0	333	204	-38.7	4216	3236	-23.2
INSTITUTIONAL SUPPORT	55300	58409	5.6	7312	8366	14.4	9389	10152	8.1	35700	36934	3.5	2899	2957	2.0
OTHER OUTSIDE SUPPORT	11459	11702	2.1	4926	5214	5.8	2598	2818	8.5	218	234	7.3	3717	3436	-7.6
SELF-SUPPORT	32166	30162	-6.2										32166	30162	-6.2
U.S. CITIZENS	113938	110279	-3.2	26717	23582	-11.7	22752	23658	4.0	29987	31062	3.6	34482	31977	-7.3
U.S. GOVERNMENT	35777	30432	-14.9	18098	13850	-23.5	13647	13551	-.7	268	157	-41.4	3764	2874	-23.6
INSTITUTIONAL SUPPORT	45221	48312	6.8	5999	7062	17.7	7249	8040	10.9	29540	30717	4.0	2433	2493	2.5
OTHER OUTSIDE SUPPORT	6877	6927	.7	2628	2670	1.9	1856	2067	11.4	179	188	5.0	2222	2002	-9.9
SELF-SUPPORT	26063	24608	-5.6										26063	24608	-5.6
FOREIGN STUDENTS	27286	26644	-2.4	4376	4690	7.2	8130	7830	-3.7	6264	6310	.7	8516	7814	-8.2
U.S. GOVERNMENT	6522	6218	-4.7	757	842	11.2	5248	4967	-5.4	65	47	-27.7	452	362	-19.9
INSTITUTIONAL SUPPORT	10079	10097	.2	1313	1304	-.7	2140	2112	-1.3	6160	6217	.9	466	464	-.4
OTHER OUTSIDE SUPPORT	4582	4775	4.2	2306	2544	10.3	742	751	1.2	39	46	*	1495	1434	-4.1
SELF-SUPPORT	6103	5554	-9.0										6103	5554	-9.0

* PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

TABLE E-10B. FULL-TIME GRADUATE STUDENTS IN ENGINEERING DOCTORATE DEPARTMENTS, BY SOURCE AND TYPE OF MAJOR SUPPORT AND CITIZENSHIP, 1972 AND 1973

	TOTAL			FELLOWSHIPS AND TRAINEESHIPS			RESEARCH ASSISTANTSHIPS			TEACHING ASSISTANTSHIPS			OTHER TYPES OF SUPPORT		
	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE
ALL SOURCES OF MAJOR SUPPORT	28536	27448	-3.8	4942	4526	-8.4	8797	9251	5.2	4259	4270	.3	10538	9401	-10.8
U.S. GOVERNMENT	10540	9622	-8.7	2588	1930	-25.4	5812	5916	1.8	63	48	-23.8	2077	1728	-16.8
INSTITUTIONAL SUPPORT	7796	8175	4.9	1026	1273	24.1	2065	2197	6.4	4161	4163	.0	544	542	-.4
OTHER OUTSIDE SUPPORT	3356	3611	7.6	1328	1323	-.4	920	1138	23.7	35	59	*	1073	1091	1.7
SELF-SUPPORT	6844	6040	-11.7										6844	6040	-11.7
U.S. CITIZENS	18625	17861	-4.1	3895	3470	-10.9	5073	5515	8.7	2747	2766	.7	6910	6110	-11.6
U.S. GOVERNMENT	7636	6730	-11.9	2467	1816	-26.4	3269	3367	3.0	42	28	*	1858	1519	-18.2
INSTITUTIONAL SUPPORT	4997	5438	8.9	701	965	37.7	1230	1390	13.0	2679	2709	1.1	382	374	-2.1
OTHER OUTSIDE SUPPORT	1813	1952	7.7	727	689	-5.2	574	758	32.1	26	29	*	486	476	-2.1
SELF-SUPPORT	4184	3741	-10.6										4184	3741	-10.6
FOREIGN STUDENTS	9911	9587	-3.3	1047	1056	.9	3714	3736	.3	1512	1504	-.5	3628	3291	-9.3
U.S. GOVERNMENT	2904	2892	-.4	121	114	-5.8	2543	2549	.2	21	20	*	219	209	-4.6
INSTITUTIONAL SUPPORT	2804	2737	-2.4	325	308	-5.2	835	807	-3.4	1482	1454	-1.9	162	168	3.7
OTHER OUTSIDE SUPPORT	1543	1659	7.5	601	634	5.5	346	380	9.8	9	30	*	587	615	4.8
SELF-SUPPORT	2660	2299	-13.6										2660	2299	-13.6

* PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

TABLE E-10C. FULL-TIME GRADUATE STUDENTS IN PHYSICAL SCIENCE DOCTORATE DEPARTMENTS, BY SOURCE AND TYPE OF MAJOR SUPPORT AND CITIZENSHIP, 1972 AND 1973

	TOTAL			FELLOWSHIPS AND TRAINEESHIPS			RESEARCH ASSISTANTSHIPS			TEACHING ASSISTANTSHIPS			OTHER TYPES OF SUPPORT		
	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE
ALL SOURCES OF MAJOR SUPPORT	26934	25998	-3.5	4016	3392	-15.5	8496	8267	-2.7	10459	10712	2.4	3963	3627	-8.5
U.S. GOVERNMENT	9561	8370	-12.5	2022	1242	-38.6	6832	6550	-4.1	42	19	*	665	559	-15.9
INSTITUTIONAL SUPPORT	13100	13594	3.8	1260	1386	10.0	1184	1288	8.8	10377	10654	2.7	279	266	-4.7
OTHER OUTSIDE SUPPORT	1556	1483	-4.7	734	764	4.1	480	429	-10.6	40	39	*	302	251	-16.9
SELF-SUPPORT	2717	2551	-6.1										2717	2551	-6.1
U.S. CITIZENS	21597	20806	-3.7	3420	2796	-18.2	6698	6600	-1.5	8221	8402	2.2	3258	3008	-7.7
U.S. GOVERNMENT	8064	6995	-13.3	1973	1196	-39.4	5422	5242	-3.3	35	14	*	634	543	-14.4
INSTITUTIONAL SUPPORT	10281	10721	4.3	1017	1139	12.0	900	1011	12.3	8155	8353	2.4	209	218	4.3
OTHER OUTSIDE SUPPORT	1002	970	-3.2	438	461	7.2	376	347	-7.7	31	35	*	165	127	-23.0
SELF-SUPPORT	2250	2120	-5.8										2250	2120	-5.8
FOREIGN STUDENTS	5337	5192	-2.7	596	596		1798	1667	-7.3	2238	2310	3.2	705	619	-12.2
U.S. GOVERNMENT	1497	1375	-8.1	49	46	*	1410	1308	-7.2	7	5	*	31	16	*
INSTITUTIONAL SUPPORT	2819	2873	1.9	243	247	1.6	284	277	-2.5	2222	2301	3.6	70	48	-31.4
OTHER OUTSIDE SUPPORT	554	513	-7.4	304	303	-.3	104	82	-21.2	9	4	*	137	126	-9.5
SELF-SUPPORT	467	431	-7.7										467	431	-7.7

* PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

TABLE E-10D. FULL-TIME GRADUATE STUDENTS IN MATHEMATICAL SCIENCE DOCTORATE DEPARTMENTS, BY SOURCE AND TYPE OF MAJOR SUPPORT AND CITIZENSHIP, 1972 AND 1973

	TOTAL			FELLOWSHIPS AND TRAINEESHIPS			RESEARCH ASSISTANTSHIPS			TEACHING ASSISTANTSHIPS			OTHER TYPES OF SUPPORT		
	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE
ALL SOURCES OF MAJOR SUPPORT	11799	11060	-6.3	1626	1454	-10.6	1220	1150	-5.7	5366	5400	.6	3587	3056	-14.8
U.S. GOVERNMENT	1905	1432	-24.8	799	558	-30.2	799	740	-7.4	35	18	*	272	116	-57.4
INSTITUTIONAL SUPPORT	6468	6625	2.4	566	635	12.2	383	387	1.0	5313	5370	1.1	206	233	13.1
OTHER OUTSIDE SUPPORT	591	676	14.4	261	261		38	23	*	18	12	*	274	380	38.7
SELF-SUPPORT	2835	2327	-17.9										2835	2327	-17.9
U.S. CITIZENS	9532	8914	-6.5	1365	1160	-15.0	884	873	-1.2	4430	4480	1.1	2853	2401	-15.8
U.S. GOVERNMENT	1621	1223	-24.6	782	547	-30.1	555	560	.9	30	14	*	254	102	-59.8
INSTITUTIONAL SUPPORT	5311	5434	2.3	462	508	10.0	298	301	1.0	4388	4475	1.5	163	170	4.3
OTHER OUTSIDE SUPPORT	338	392	16.0	121	105	-13.2	31	12	*	12	11	*	174	264	51.7
SELF-SUPPORT	2262	1865	-17.6										2262	1865	-17.6
FOREIGN STUDENTS	2267	2146	-5.3	261	294	12.6	336	277	-17.6	936	920	-1.7	734	655	-10.8
U.S. GOVERNMENT	284	209	-26.4	17	11	*	244	180	-26.2	5	4	*	18	14	*
INSTITUTIONAL SUPPORT	1157	1191	2.9	104	127	22.1	85	86	1.2	925	915	-1.1	43	63	*
OTHER OUTSIDE SUPPORT	253	284	12.3	140	156	11.4	7	11	*	6	1	*	100	116	16.0
SELF-SUPPORT	573	462	-19.4										573	462	-19.4

* PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

TABLE E-10E. FULL-TIME GRADUATE STUDENTS IN LIFE SCIENCE DOCTORATE DEPARTMENTS, BY SOURCE AND TYPE OF MAJOR SUPPORT AND CITIZENSHIP, 1972 AND 1973

	TOTAL			FELLOWSHIPS AND TRAINEESHIPS			RESEARCH ASSISTANTSHIPS			TEACHING ASSISTANTSHIPS			OTHER TYPES OF SUPPORT		
	NUMBER		PERCENT	NUMBER		PERCENT	NUMBER		PERCENT	NUMBER		PERCENT	NUMBER		PERCENT
	1972	1973	CHANGE	1972	1973	CHANGE	1972	1973	CHANGE	1972	1973	CHANGE	1972	1973	CHANGE
ALL SOURCES OF MAJOR SUPPORT	30996	30895	-.3	8860	8153	-7.8	7580	7792	2.8	6904	7402	7.2	7672	7548	-1.6
U.S. GOVERNMENT	10865	9229	-15.1	6672	5369	-19.5	3486	3502	.5	118	81	-31.4	589	277	-53.0
INSTITUTIONAL SUPPORT	11845	12938	9.2	1284	1687	31.4	3235	3412	5.5	6710	7252	8.1	616	587	-4.7
OTHER OUTSIDE SUPPORT	2540	2740	7.9	884	1097	24.1	859	878	2.2	76	69	-9.2	721	696	-3.5
SELF-SUPPORT	5746	5988	4.2										5746	5988	4.2
U.S. CITIZENS	26275	26297	.1	7821	6939	-11.3	5990	6323	5.6	6199	6720	8.4	6265	6315	.8
U.S. GOVERNMENT	9674	8172	-15.5	6415	5061	-21.1	2721	2834	4.2	90	67	-25.6	448	210	-53.1
INSTITUTIONAL SUPPORT	10253	11384	11.0	1042	1455	39.6	2640	2824	7.0	6046	6593	9.0	525	512	-2.5
OTHER OUTSIDE SUPPORT	1365	1457	6.7	364	423	16.2	629	665	5.7	63	60	-4.8	309	309	
SELF-SUPPORT	4983	5284	6.0										4983	5284	6.0
FOREIGN STUDENTS	4721	4598	-2.6	1019	1214	19.1	1590	1469	-7.6	705	682	-3.3	1407	1233	-12.4
U.S. GOVERNMENT	1191	1057	-.3	257	308	19.8	765	668	-12.7	28	14	*	141	67	-52.5
INSTITUTIONAL SUPPORT	1592	1554	-2.4	242	232	-4.1	595	588	-1.2	664	659	-.8	91	75	-17.6
OTHER OUTSIDE SUPPORT	1175	1283	9.2	520	674	29.6	230	213	-7.4	13	9	*	412	387	-6.1
SELF-SUPPORT	763	704	-7.7										763	704	-7.7

* PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

TABLE E-10F. FULL-TIME GRADUATE STUDENTS IN PSYCHOLOGY DOCTORATE DEPARTMENTS, BY SOURCE AND TYPE OF MAJOR SUPPORT AND CITIZENSHIP, 1972 AND 1973

	TOTAL			FELLOWSHIPS AND TRAINEESHIPS			RESEARCH ASSISTANTSHIPS			TEACHING ASSISTANTSHIPS			OTHER TYPES OF SUPPORT		
	NUMBER		PERCENT	NUMBER		PERCENT	NUMBER		PERCENT	NUMBER		PERCENT	NUMBER		PERCENT
	1972	1973	CHANGE	1972	1973	CHANGE	1972	1973	CHANGE	1972	1973	CHANGE	1972	1973	CHANGE
ALL SOURCES OF MAJOR SUPPORT	13366	13164	-1.5	4148	3768	-9.2	1621	1745	7.6	2900	3004	3.6	4697	4647	-1.1
U.S. GOVERNMENT	4399	3789	-13.9	3218	2732	-15.1	953	835	-12.4	23	5	*	205	217	5.9
INSTITUTIONAL SUPPORT	4761	5162	8.4	718	794	10.6	559	809	44.7	2850	2987	4.8	634	572	-9.8
OTHER OUTSIDE SUPPORT	906	937	3.4	212	242	14.2	109	101	-7.3	27	12	*	558	582	4.3
SELF-SUPPORT	3300	3276	-.7										3300	3276	-.7
U.S. CITIZENS	12915	12518	-3.1	4048	3667	-9.4	1529	1665	8.9	2775	2883	3.9	4563	4303	-5.7
U.S. GOVERNMENT	4303	3703	-13.9	3191	2704	-15.3	888	782	-11.9	23	5	*	201	212	5.5
INSTITUTIONAL SUPPORT	4574	4958	8.4	689	750	8.9	541	787	45.5	2726	2866	5.1	618	555	-10.2
OTHER OUTSIDE SUPPORT	834	875	4.9	168	213	26.8	100	96	-4.0	26	12	*	540	554	2.6
SELF-SUPPORT	3204	2982	-6.9										3204	2982	-6.9
FOREIGN STUDENTS	451	646	43.2	100	101	1.0	92	80	-13.0	125	121	-3.2	134	344	156.7
U.S. GOVERNMENT	96	86	-10.4	27	28	*	65	53	-18.5				4	5	*
INSTITUTIONAL SUPPORT	187	204	9.1	29	44	*	18	22	*	124	121	-2.4	16	17	*
OTHER OUTSIDE SUPPORT	72	62	-13.9	44	29	*	9	5	*	1		*	18	28	*
SELF-SUPPORT	96	294	206.3										9	294	206.3

* PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

TABLE E-10G. FULL-TIME GRADUATE STUDENTS IN SOCIAL SCIENCE DOCTORATE DEPARTMENTS, BY SOURCE AND TYPE OF MAJOR SUPPORT AND CITIZENSHIP: 1972 AND 1973

	TOTAL			FELLOWSHIPS AND TRAINEESHIPS			RESEARCH ASSISTANTSHIPS			TEACHING ASSISTANTSHIPS			OTHER TYPES OF SUPPORT		
	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE
ALL SOURCES OF MAJOR SUPPORT	29577	28334	-4.2	7521	6979	-7.2	3168	3283	3.6	6363	6584	3.5	12525	11488	-8.3
U.S. GOVERNMENT	5829	4208	-16.3	3556	2861	-19.5	1013	975	-3.8	52	33	-36.5	408	339	-16.9
INSTITUTIONAL SUPPORT	11330	11915	5.2	2458	2591	5.4	1963	2059	4.9	6289	6508	3.5	620	757	22.1
OTHER OUTSIDE SUPPORT	2510	2255	-10.2	1507	1527	1.3	192	249	29.7	22	43	*	789	436	-44.7
SELF-SUPPORT	10708	9956	-7.0										10708	9956	-7.0
U.S. CITIZENS	24982	23864	-4.5	6168	5550	-10.0	2578	2682	4.0	5615	5811	3.5	10621	9821	-7.5
U.S. GOVERNMENT	4479	3609	-19.4	3270	2526	-22.8	792	766	-3.3	48	29	*	369	288	-22.0
INSTITUTIONAL SUPPORT	9810	10377	5.8	2088	2245	7.5	1640	1727	5.3	5546	5741	3.5	536	664	23.9
OTHER OUTSIDE SUPPORT	1525	1281	-16.0	810	779	-3.8	146	189	29.5	21	41	*	548	272	-50.4
SELF-SUPPORT	9168	8597	-6.2										9168	8597	-6.2
FOREIGN STUDENTS	4595	4470	-2.7	1353	1429	5.6	590	601	1.9	748	773	3.3	1904	1667	-12.4
U.S. GOVERNMENT	550	599	8.9	286	335	17.1	221	209	-5.4	4	4		39	51	*
INSTITUTIONAL SUPPORT	1520	1538	1.2	370	346	-6.5	323	332	2.8	743	767	3.2	84	93	10.7
OTHER OUTSIDE SUPPORT	985	974	-1.1	697	748	7.3	46	60	*	1	2	*	241	164	-32.0
SELF-SUPPORT	1540	1359	-11.8										1540	1359	-11.8

* PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

TABLE E-10H. FULL-TIME GRADUATE STUDENTS IN ALL OTHER SCIENCES, NEC DOCTORATE DEPARTMENTS, BY SOURCE AND TYPE OF MAJOR SUPPORT AND CITIZENSHIP: 1972 AND 1973

	TOTAL			FELLOWSHIPS AND TRAINEESHIPS			RESEARCH ASSISTANTSHIPS			TEACHING ASSISTANTSHIPS			OTHER TYPES OF SUPPORT		
	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE
ALL SOURCES OF MAJOR SUPPORT	16	24	*										16	24	*
U.S. GOVERNMENT															
INSTITUTIONAL SUPPORT															
OTHER OUTSIDE SUPPORT															
SELF-SUPPORT	16	24	*										16	24	*
U.S. CITIZENS	12	19	*										12	19	*
U.S. GOVERNMENT															
INSTITUTIONAL SUPPORT															
OTHER OUTSIDE SUPPORT															
SELF-SUPPORT	12	19	*										12	19	*
FOREIGN STUDENTS	4	5	*										4	5	*
U.S. GOVERNMENT															
INSTITUTIONAL SUPPORT															
OTHER OUTSIDE SUPPORT															
SELF-SUPPORT	4	5	*										4	5	*

* PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

TABLE E-11. FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE DEPARTMENTS, BY LEVEL OF STUDY, CONTROL OF INSTITUTION, AND TYPE OF MAJOR SUPPORT, 1972 AND 1973

	TOTAL			FELLOWSHIPS AND TRAINEESHIPS			RESEARCH ASSISTANTSHIPS			TEACHING ASSISTANTSHIPS			OTHER TYPES OF SUPPORT		
	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE
ALL SOURCES OF MAJOR SUPPORT	141224	136923	-3.0	31093	28272	-9.1	30882	31488	2.0	36251	37372	3.1	42998	39791	-7.5
FIRST-YEAR STUDENTS	44242	43297	-2.1	8874	8108	-8.6	6999	7323	4.6	10797	11675	8.1	17572	16191	-7.9
BEYOND-FIRST-YEAR STUDENTS	96982	93626	-3.5	22219	20164	-9.2	23883	24165	1.2	25454	25697	1.0	25426	23600	-7.2
PUBLIC INSTITUTIONS	102249	99078	-3.1	17655	15633	-11.5	23257	23773	2.2	29401	30075	2.3	31936	29597	-7.3
FIRST-YEAR STUDENTS	32281	31422	-2.7	5005	4321	-13.7	5553	5785	4.2	8801	9354	6.3	12922	11962	-7.4
BEYOND-FIRST-YEAR STUDENTS	69968	67656	-3.3	12650	11312	-10.6	17704	17988	1.6	20600	20721	.6	19014	17635	-7.3
PRIVATE INSTITUTIONS	38975	37845	-2.9	13438	12639	-5.9	7625	7715	1.2	6850	7297	6.5	11062	10194	-7.8
FIRST-YEAR STUDENTS	11961	11875	-.7	3869	3787	-2.1	1446	1538	6.4	1996	2321	16.3	4650	4229	-9.1
BEYOND-FIRST-YEAR STUDENTS	27014	25970	-3.9	9569	8852	-7.5	6179	6177	-.0	4854	4976	2.5	6412	5965	-7.0

TABLE E-12. FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE DEPARTMENTS, BY LEVEL OF STUDY, 1972 AND 1973.

	TOTAL			FELLOWSHIPS AND TRAINEESHIPS			RESEARCH ASSISTANTSHIPS			TEACHING ASSISTANTSHIPS			OTHER TYPES OF SUPPORT		
	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE
ALL AREAS OF SCIENCE															
TOTAL	141224	136923	-3.0	31093	28272	-9.1	30842	31688	2.8	36251	37372	3.1	42998	39791	-7.5
FIRST-YEAR STUDENTS	44242	43297	-2.1	8874	8108	-8.6	6999	7323	4.6	10797	11675	8.1	17572	16191	-7.9
BEYOND-FIRST-YEAR STUDENTS	96982	93626	-3.5	22219	20164	-9.2	23843	24165	1.2	25454	25697	1.0	25426	23600	-7.2
U.S. CITIZENS	113938	110279	-3.2	26717	23582	-11.7	22752	23658	4.0	29987	31062	3.6	34482	31977	-7.3
FOREIGN STUDENTS	27286	26644	-2.4	4376	4690	7.2	8130	7830	-3.7	6264	6310	.7	8516	7814	-8.2
ENGINEERING															
TOTAL	28536	27448	-3.8	4942	4526	-8.4	8797	9251	5.2	4259	4270	.3	10538	9401	-10.8
FIRST-YEAR STUDENTS	11328	11500	1.5	2099	2122	1.1	2549	2844	11.6	1569	1720	9.6	5111	4814	-5.8
BEYOND-FIRST-YEAR STUDENTS	17208	15948	-7.3	2843	2404	-15.4	6248	6407	2.5	2690	2550	-5.2	5427	4587	-15.5
U.S. CITIZENS	18625	17861	-4.1	3895	3470	-10.9	5073	5515	8.7	2747	2766	.7	6910	6110	-11.6
FOREIGN STUDENTS	9911	9587	-3.3	1047	1056	.9	3724	3736	.3	1512	1504	-.5	3628	3291	-9.3
PHYSICAL SCIENCES															
TOTAL	26934	25998	-3.5	4016	3392	-15.5	8496	8267	-2.7	10459	10712	2.4	3963	3627	-8.5
FIRST-YEAR STUDENTS	6789	6749	-.6	915	916	.1	923	841	-8.9	3501	3849	9.9	1450	1143	-21.2
BEYOND-FIRST-YEAR STUDENTS	20145	19249	-4.4	3101	2476	-20.2	7573	7426	-1.9	6958	6863	-1.4	2513	2484	-1.2
U.S. CITIZENS	21597	20806	-3.7	3620	2796	-18.2	6698	6600	-1.5	8221	8402	2.2	3258	3008	-7.7
FOREIGN STUDENTS	5337	5192	-2.7	596	596		1798	1667	-7.3	2238	2310	3.2	705	619	-12.2
MATHEMATICAL SCIENCES															
TOTAL	11799	11060	-6.3	1626	1454	-10.6	1220	1150	-5.7	5366	5400	.6	3587	3056	-14.8
FIRST-YEAR STUDENTS	3832	3566	-6.9	522	483	-7.5	297	253	-14.8	1510	1547	2.5	1503	1283	-14.6
BEYOND-FIRST-YEAR STUDENTS	7967	7494	-5.9	1104	971	-12.0	923	897	-2.8	3856	3853	-.1	2084	1773	-14.9
U.S. CITIZENS	9532	8914	-6.5	1365	1160	-15.0	884	873	-1.2	4430	4480	1.1	2853	2401	-15.8
FOREIGN STUDENTS	2267	2146	-5.3	261	294	12.6	336	277	-17.6	936	920	-1.7	734	655	-10.8
LIFE SCIENCES															
TOTAL	30996	30895	-.3	8840	8153	-7.8	7588	7792	2.8	6904	7402	7.2	7672	7548	-1.6
FIRST-YEAR STUDENTS	9237	9466	2.5	2104	1652	-21.5	1848	1969	6.5	2062	2359	14.4	3223	3486	8.2
BEYOND-FIRST-YEAR STUDENTS	21759	21429	-1.5	6736	6501	-3.5	5732	5823	1.6	4842	5043	4.2	4449	4062	-8.7
U.S. CITIZENS	26275	26297	.1	7821	6939	-11.3	5990	6323	5.6	6199	6720	8.4	6265	6315	.8
FOREIGN STUDENTS	4721	4598	-2.6	1019	1214	19.1	1598	1469	-7.6	705	682	-3.3	1407	1233	-12.4
PSYCHOLOGY															
TOTAL	13366	13164	-1.5	4148	3768	-9.2	1621	1745	7.6	2900	3004	3.6	4697	4647	-1.1
FIRST-YEAR STUDENTS	3745	3473	-7.3	1138	899	-21.0	457	486	6.3	718	752	4.7	1432	1336	-6.7
BEYOND-FIRST-YEAR STUDENTS	9621	9691	.7	3010	2869	-4.7	1164	1259	8.2	2182	2252	3.2	3265	3311	1.4
U.S. CITIZENS	12915	12518	-3.1	4048	3667	-9.4	1529	1665	8.9	2775	2883	3.9	4563	4303	-5.7
FOREIGN STUDENTS	451	646	43.2	100	101	1.0	92	80	-13.0	125	121	-3.2	134	344	156.7
SOCIAL SCIENCES															
TOTAL	29577	28334	-4.2	7521	6979	-7.2	3168	3283	3.6	6363	6584	3.5	12525	11488	-8.3
FIRST-YEAR STUDENTS	9307	8538	-8.3	2096	2036	-2.9	925	930	.5	1437	1448	.8	4849	4124	-15.0
BEYOND-FIRST-YEAR STUDENTS	20270	19796	-2.3	5425	4943	-8.9	2243	2353	4.9	4926	5136	4.3	7676	7364	-4.1
U.S. CITIZENS	24982	23864	-4.5	6168	5550	-10.0	2578	2682	4.0	5615	5811	3.5	10621	9821	-7.5
FOREIGN STUDENTS	4595	4470	-2.7	1353	1429	5.6	590	601	1.9	748	773	3.3	1904	1667	-12.4
ALL OTHER SCIENCES, NEC															
TOTAL	16	24	*										16	24	*
FIRST-YEAR STUDENTS	4	5	*										4	5	*
BEYOND-FIRST-YEAR STUDENTS	12	19	*										12	19	*
U.S. CITIZENS	12	19	*										12	19	*
FOREIGN STUDENTS	4	5	*										4	5	*

* PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

TABLE E-13. FULL-TIME GRADUATE STUDENTS IN ALL DOCTORATE DEPARTMENTS, BY AREA OF SCIENCE, LEVEL OF STUDY, AND TYPE OF INSTITUTION, 1972 AND 1973

	TOTAL			FIRST 20 INSTITUTIONS			DEVELOPING INSTITUTIONS			MEDICAL SCHOOLS			INTERMEDIATE INSTITUTIONS		
	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE	NUMBER 1972	NUMBER 1973	PERCENT CHANGE
TOTAL	141224	136923	-3.0	36987	36260	-2.0	15657	15420	-1.5	7153	7368	3.0	81427	77875	-4.4
ENGINEERING	28536	27448	-3.8	10229	9932	-2.9	2419	2310	-4.5		18		15888	15188	-4.4
PHYSICAL SCIENCES	26934	25598	-5.5	7402	7325	-1.0	3635	3560	-2.1	3	3		15894	15110	-4.9
MATHEMATICAL SCIENCES	11799	11060	-6.3	3211	3198	-.4	1459	1278	-12.4				7129	6584	-7.6
LIFE SCIENCES	30996	30895	-.3	5212	5381	3.2	2852	2883	1.1	7031	7246	3.1	15901	15385	-3.2
PSYCHOLOGY	13366	13164	-1.5	1901	1773	-6.7	2514	2609	3.8	53	58	9.4	8898	8724	-2.0
SOCIAL SCIENCES	29577	28334	-4.2	9016	8627	-4.3	2778	2780	.1	66	43	-34.8	17717	16884	-4.7
ALL OTHER SCIENCES, NEC	16	24	*	16	24	*									
FIRST-YEAR STUDENTS	44242	43297	-2.1	10808	10834	.2	5661	5395	-4.7	2145	2167	1.0	25628	24901	-2.8
ENGINEERING	11328	11500	1.5	3940	3979	1.0	1084	1030	-5.0		5		6304	6486	2.9
PHYSICAL SCIENCES	6789	6749	-.6	1673	1756	5.0	1057	1063	.6	3	1	*	4056	3929	-3.1
MATHEMATICAL SCIENCES	3832	3566	-6.9	897	957	6.7	529	456	-13.8				2406	2153	-10.5
LIFE SCIENCES	9237	9466	2.5	1338	1431	7.0	1000	1088	8.8	2110	2125	.7	4789	4822	.7
PSYCHOLOGY	3745	3473	-7.3	461	418	-9.3	874	759	-13.2	6	18	*	2404	2278	-5.2
SOCIAL SCIENCES	9307	8538	-8.3	2495	2288	-8.3	1117	999	-10.6	26	18	*	5669	5233	-7.7
ALL OTHER SCIENCES, NEC	4	5	*	4	5	*									
BEYOND-FIRST-YEAR STUDENTS	96982	93626	-3.5	26179	25426	-2.9	9996	10025	.3	5008	5201	3.9	55799	52974	-5.1
ENGINEERING	17208	15948	-7.3	6289	5953	-5.3	1335	1280	-4.1		13		9584	8702	-9.2
PHYSICAL SCIENCES	20145	19249	-4.4	5729	5569	-2.8	2578	2497	-3.1		2		11838	11181	-5.5
MATHEMATICAL SCIENCES	7967	7494	-5.9	2314	2241	-3.2	930	822	-11.6				4723	4431	-6.2
LIFE SCIENCES	21759	21429	-1.5	3874	3950	2.0	1852	1795	-3.1	4921	5121	4.1	11112	10563	-4.9
PSYCHOLOGY	9621	9691	.7	1440	1355	-5.9	1640	1850	12.8	47	40	*	6494	6446	-.7
SOCIAL SCIENCES	20270	19796	-2.3	6521	6339	-2.8	1661	1781	7.2	40	25	*	12048	11651	-3.3
ALL OTHER SCIENCES, NEC	12	19	*	12	19	*									

* PERCENT CHANGE IS NOT SHOWN WHEN BASE IS 50 OR LESS

177

APPENDIX IV

Instructions and Consolidated Departmental Data Sheets

	Page
Instructions, Fall 1973	55
Departmental Data Sheet, Fall 1973	56
Consolidated Departmental Data Sheets, 1973:	
IV-1 through IV-8: All Graduate Departments, 1973	57
IV-9 through IV-16: Master's Departments, 1973	65
IV-17 through IV-24: Doctorate Departments, 1973	73
IV-25: Doctorate Departments in Medical Schools, 1973	81
IV-26: Graduate Departments in Public Schools, 1973	82
IV-27: Graduate Departments in Private Schools, 1973	83
Instructions, Fall 1972	84
Departmental Data Sheet, Fall 1972	85

INSTRUCTIONS FOR COMPLETING THE DEPARTMENTAL DATA SHEET

GENERAL:

A Departmental Data Sheet (NSF Form 812) is to be completed by each science and engineering department that supplied similar data in our 1972 survey, plus any newly formed departments or any departments that were inadvertently omitted last year.

In addition, the National Institutes of Health has supplied a complete list of all basic science and clinical departments for reference by medical schools to improve coverage in these fields. If departments on this list do not actually enroll graduate students or have any postdoctoral appointees, please complete a Form 812 marked NONE and return to NSF.

A graduate student, whether full- or part-time, should be reported in only one department.

If a science department did not enroll graduate students in Fall 1973 but did have postdoctoral appointees, please write "NONE" across Items 5 and 6 and move to Item 7.

Care should be taken to submit as complete and accurate a report as possible in order that machine editing time can be reduced and more timely statistics can be made available.

This form is being mailed to all institutions of higher education in the U. S. that confer doctoral-level degrees in at least one of the following fields of science:

Engineering
- Aeronautical
- Agricultural
- Chemical
- Civil
- Electrical
- Engineering science
- Industrial
- Mechanical
- Metallurgical and materials
- Mining
- Nuclear
- Petroleum
- Other engineering

Physical sciences
- Astronomy
- Atmospheric sciences
- Chemistry
- Geosciences
- Oceanography
- Physics

Mathematical sciences
- Applied mathematics
- Mathematics
- Statistics

Life sciences
- Agriculture
- Anatomy
- Biochemistry
- Biology
- Biophysics
- Botany
- Clinical medical sciences
- Ecology
- Genetics
- Microbiology
- Pathology
- Pharmacology
- Physiology
- Zoology
- Other life sciences

Psychology
- Clinical psychology
- Experimental psychology
- Human development
- Physiological psychology
- Social psychology
- Other psychology

Social sciences
- Agricultural economics
- Anthropology
- Economics (except agricultural)
- Geography
- History and philosophy of science
- Linguistics
- Political science
- Sociology

Item 4—**Highest degree offered.** Check the box which refers to the highest degree offered by this science department in October 1973.

Item 5—A **full-time graduate student** is defined here as a student enrolled for an advanced degree (not a regular staff member, e.g., an instructor) who is engaged in training activities in his field of science; these activities may embrace **any** appropriate combination of study, teaching, and research, depending upon your institution's own policy. (Some institutions use the phrase "geographical full-time student" to describe such students.) All other graduate students enrolled for advanced degrees are considered part time and should be reported under Item 6. **Exclude** students who are not formally enrolled for study or dissertation and "special" or unclassified students taking courses at the graduate level but not enrolled for degrees.

Students are to be classified according to citizenship, i.e., **U.S.** citizens (or nationals, e.g., native residents of a possession of the U. S. such as American Samoa), and **foreign** students. Applicants for U. S. citizenship are to be considered as "foreign" until the date their citizenship becomes effective.

A **first-year** graduate student is defined as one who will have completed **less than a full year** of graduate study as of the beginning of the Fall term of 1973. All other students should be considered beyond first year.

Report the number of full-time graduate students in the appropriate column where they receive most of their support. If a graduate student receives stipend support from more than one source, choose the **major** source. For cases of two or more equivalent sources choose one **major** source category so that **using only whole numbers** the departmental data sheet will give a reasonably accurate **average** support picture for the department. Students receiving their **major** support from the Veterans Administration under the G.I. Bill should be reported under column (h), "Other U.S. Government;" if this form of support does not constitute his **major** source, the student should be counted in the appropriate column representing that source. Graduate students performing thesis or dissertation research at Government- and contractor-owned facilities are to be included as long as they are considered by the graduate dean as being enrolled for an advanced degree. For instance, graduate students supported by the AEC at Oak Ridge National Laboratory are enrolled for degree-credit at the University of Tennessee, Knoxville, and are to be included in the survey. Please note that support for graduate students by NIH, column (d), should **exlude** support from NIMH, which should be reported under "other, HEW," column (e).

"Institutional Support," column (j), refers to support from "This" institution, as well as from State and local governments. Students who are employees of an organization and whose major support is provided by their employer should be listed under column (l) "Other U.S. Sources." Those receiving most of their support from personal, family, and loan sources should be reported under column (m), "Self, Loans, and Family."

Item 6—The number of graduate students who are working for advanced degrees, but who are not pursuing graduate work full time as defined in Item 5, are enumerated under the entries for **part time.** Part-time graduate students who have completed less than a full year of study in Fall 1973 are counted in column (a), "First Year;" all other part-time students are to be counted under (b), "Beyond First."

Item 7—Under **Postdoctorals** and/or **Research Associates,** include individuals with science or engineering doctorates and M.D.'s (including foreign degrees that are equivalent to U.S. doctorates) who devote **full time** to research activities or study in the department under temporary appointments carrying no academic rank such as instructor or above. Such appointments are usually for a **specific time period.** They may contribute to the academic program through seminars, lectures, or working with graduate students. Their postdoctoral activities have an element of additional training for them. Exclude residents, unless research training under the supervision of a Senior Mentor is the prime purpose of the appointment. Under (a) enter the number of fellows and trainees receiving support under Federal training grants and/or fellowships. Under (b) enter the number of research associates appointed with Federal support. Those remaining appointees with non-Government support are to be entered under (c). Of the total in (d), enter in (e) the number receiving their Ph.D. or M.D. since 1969.

56

NSF Form 812, Oct. 73

NATIONAL SCIENCE FOUNDATION

SURVEY OF GRADUATE SCIENCE STUDENT SUPPORT, FALL 1973

OMB No. 99-R0276

Approval expires February 1974

Please return by December 31, 1973

DEPARTMENTAL DATA SHEET

(NOTE: Before filling out please read the instructions on the reverse)

1. Name and address of institution: _____

2. Science or Engineering Department (or unit) covered by this data sheet: [a] _____

3. Person in Department (or unit) preparing this form: Name: _____ Tel: (A/C) _____

4. Highest degree program offered by Department (or unit) in Fall 1973 (CHECK ONE ONLY) Master's ____ (1) Doctorate ____ (2)

Department Code (Leave Blank) _____

5. Major Support sources (excluding tuition) of ALL FULL-TIME GRADUATE STUDENTS enrolled for Advanced Degrees (M.S. & Ph.D. in the Fall 1973. (see item 5-instructions).			U.S. GOVERNMENT SOURCE (EXCLUDING LOANS)									NON-GOVERNMENT SOURCE					
			AEC	DOD	HEW			NASA	NSF	Other U.S. Govt.	Total U.S. Govt. (a-h)	Institutional Support [b]	Foreign Sources	Other U.S. Sources [c]	Self, Loans and Family	Total Non-U.S. Govt. (j-m)	Total (i)+(n)
					NDEA	NIH	Other HEW										
TYPE OF SUPPORT	CITIZ. & LEVEL		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)
Fellowships and Traineeships	U.S.	(1)															
	Foreign	(2)															
	Subtotal	(3)															
Of line (3) How many were:	First Year	(4)															
	Beyond	(5)															
Graduate Research Assistantships	U.S.	(6)															
	Foreign	(7)															
	Subtotal	(8)															
Of line (8) How many were:	First Year	(9)															
	Beyond	(10)															
Graduate Teaching Assistantships	U.S.	(11)															
	Foreign	(12)															
	Subtotal	(13)															
Of line (13) How many were:	First Year	(14)															
	Beyond	(15)															
Other Types of Support	U.S.	(16)															
	Foreign	(17)															
	Subtotal	(18)															
Of line (18) How many were:	First Year	(19)															
	Beyond	(20)															
Add Subtotals of lines (3), (8), (13), & (18) All Types, Total		(21)															
Of line (21) how many are: Men	First Year	(22)															
	Beyond	(23)															
Women	First Year	(24)															
	Beyond	(25)															

6. PART-TIME GRADUATE STUDENTS enrolled for advanced degrees (do not include "special" students):

FALL 1973		
First Year	Beyond First	Total
(a)	(b)	(c)

7. Postdoctorals and/or Research Associates:

FALL 1973				
SOURCE of SUPPORT			TOTAL	Of Col. (d), How many are recent doctorals [d]
U.S. GOVERNMENT		Non-U.S. Govt.		
Fellowship/Traineeships	Research Associates			
(a)	(b)	(c)	(d)	(e)

[a] Include basic medical and clinical science departments.

[b] Include institutions and State and local governments.

[c] Include support from nonprofit institutions, industry, and all other U.S. sources

[d] Since 1969.

Survey of Graduate Science Student Support, Fall 1973
Departmental Data Sheet

TABLE IV-1
SUMMARY OF RESPONSES FROM 6,559 GRADUATE DEPARTMENTS

Type of support	Citizenship and level	U.S. Government Source (excl. loans)									Non-Government Source					Grand total
				HEW												
		AEC	DOD	NDEA	NIH	Other	NASA	NSF	Other	Total	Institutional support[1]	Foreign sources	Other U.S. sources[2]	Self, loans, and family	Total	
Fellowships and traineeships	U.S.	184	327	1,643	6,906	2,985	49	2,538	2,462	17,094	8,416	106	3,058		11,580	28,674
	Foreign		5	9	182	61	9		742	1,008	1,528	2,054	871		4,453	5,461
	Subtotal	184	332	1,652	7,088	3,046	58	2,538	3,204	18,102	9,944	2,160	3,929		16,033	34,135
	First year	58	185	152	855	862	18	640	1,407	4,177	4,027	854	1,229		6,110	10,287
	Beyond	126	147	1,500	6,233	2,184	40	1,898	1,797	13,925	5,917	1,306	2,700		9,923	23,848
Graduate research assistantships	U.S.	1,015	1,631	33	7,288	658	843	4,999	3,769	15,236	9,577		2,471		12,048	27,284
	Foreign	315	771	4	673	102	307	1,922	1,334	5,428	2,521	157	721		3,399	8,827
	Subtotal	1,330	2,402	37	2,961	760	1,150	6,921	5,103	20,664	12,098	157	3,192		15,447	36,111
	First year	153	565	7	522	179	285	1,189	1,258	4,168	3,837	56	1,042		4,935	9,103
	Beyond	1,177	1,837	30	2,439	581	865	5,732	3,835	16,496	8,261	101	2,150		10,512	27,008
Graduate teaching assistantships	U.S.				40	66		68	88	262	35,878		233		36,111	36,323
	Foreign				10	10		19	22	61	6,911		50		6,961	7,022
	Subtotal				50	76		87	110	323	42,789		283		43,072	43,395
	First year				14	26		29	49	118	14,217		105		14,322	14,440
	Beyond				36	50		58	61	205	28,572		178		28,750	28,955
Other types of support	U.S.	44	1,798	9	86	45	27	110	1,550	3,669	3,052		2,388	32,107	37,547	41,216
	Foreign	4	190	0	12	3	9	26	194	438	565	1,343	327	6,788	9,023	9,461
	Subtotal	48	1,988	9	98	48	36	136	1,744	4,107	3,617	1,343	2,715	38,895	46,570	50,677
	First year	21	823	1	35	7	10	48	684	1,629	1,288	651	893	17,555	20,387	22,016
	Beyond	27	1,165	8	63	41	26	88	1,060	2,478	2,329	692	1,822	21,340	26,183	28,661
All types, total		1,562	4,722	1,698	10,197	3,930	1,244	9,682	10,161	43,196	68,448	3,660	10,119	38,895	121,122	164,318
Men	First year	216	1,531	116	991	664	295	1,631	2,991	8,435	18,346	1,401	2,736	13,394	35,877	44,312
	Beyond	1,243	3,049	1,233	6,490	1,772	900	6,922	5,973	27,582	36,422	1,913	5,744	16,623	60,702	88,284
Women	First year	16	42	44	435	410	18	275	417	1,657	5,023	160	533	4,161	9,877	11,534
	Beyond	87	100	305	2,281	1,084	31	854	780	5,522	8,657	186	1,106	4,717	14,666	20,188

Part-time Graduate Students Fall 1973		
First year	Beyond first	Total
20,378	33,266	53,644

Postdoctorals and/or Research Associates Fall 1973				
Source of support				
U.S. Government				
Fellowships/ traineeships	Research associates	Non-U.S. Government	Total	Recent doctorals[3]
4,595	6,691	5,072	16,358	9,612

[1] Includes institution's and State and local governments.
[2] Includes support from nonprofit institutions, industry, and all other U.S. sources.
[3] Since 1969.

180

Survey of Graduate Science Student Support, Fall 1973
Departmental Data Sheet

TABLE IV-2
SUMMARY OF RESPONSES FROM 926 GRADUATE DEPARTMENTS IN ENGINEERING

Type of support	Citizenship and level	U.S. Government Source (excl. loans)									Non-Government Source					Grand total
				HEW												
		AEC	DOD	NDEA	NIH	Other	NASA	NSF	Other	Total	Institutional support[1]	Foreign sources	Other U.S. sources[2]	Self, loans, and family	Total	
Fellowships and traineeships	U.S.	124	162	189	351	179	20	412	695	2,132	1,090	13	728		1,831	3,963
	Foreign		3	1	21	6	2		95	128	368	509	179		1,056	1,184
	Subtotal	124	165	190	372	185	22	412	790	2,260	1,458	522	907		2,887	5,147
	First year	55	108	13	45	124	10	142	538	1,035	773	238	393		1,404	2,439
	Beyond	69	57	177	327	61	12	270	252	1,225	685	284	514		1,483	2,708
Graduate research assistantships	U.S.	224	853	7	197	52	309	1,159	911	3,712	1,616		838		2,454	6,166
	Foreign	134	564	1	99	33	218	987	729	2,765	951	27	405		1,383	4,148
	Subtotal	358	1,417	8	296	85	527	2,146	1,640	6,477	2,567	27	1,243		3,837	10,314
	First year	83	437	0	66	25	163	565	54	1,793	981	9	470		1,460	3,253
	Beyond	275	980	8	230	60	364	1,581	1,186	4,684	1,586	18	773		2,377	7,061
Graduate teaching assistantships	U.S.				4	6		9	21	40	3,242		41		3,283	3,323
	Foreign				8	0		7	7	22	1,598		33		1,631	1,653
	Subtotal				12	6		16	28	62	4,840		74		4,914	4,976
	First year				4	2		8	14	28	2,035		24		2,059	2,087
	Beyond				8	4		8	14	34	2,805		50		2,855	2,889
Other types of support	U.S.	34	1,144	0	2	6	8	10	533	1,737	446		539	4,675	5,660	7,397
	Foreign	4	161	0	0	0	7	9	42	223	202	587	95	2,761	3,645	3,868
	Subtotal	38	1,305	0	2	6	15	19	575	1,960	648	587	634	7,436	9,305	11,265
	First year	19	530	0	0	1	3	9	252	814	313	328	341	3,960	4,942	5,756
	Beyond	19	775	0	2	5	12	10	323	1,146	335	259	293	3,476	4,363	5,509
All types, total		520	2,887	198	682	282	564	2,593	3,033	10,759	9,513	1,136	2,858	7,436	20943	3,1702
Men	First year	150	1,058	11	106	143	171	703	1,218	3,560	3,956	563	1,188	3,786	9,493	13,053
	Beyond	355	1,792	181	538	123	384	1,824	1,729	6,926	5,274	545	1,592	3,343	10,754	17,680
Women	First year	7	17	2	9	9	5	21	40	110	146	12	40	174	372	482
	Beyond	8	20	4	29	7	4	45	46	163	137	16	38	133	324	487

Part-time Graduate Students Fall 1973		
First year	Beyond first	Total
9,645	10,904	20,549

Postdoctorals and/or Research Associates Fall 1973				
Source of support				
U.S. Government				
Fellowships/ traineeships	Research associates	Non-U.S. Government	Total	Recent doctorals[3]
104	617	254	975	616

[1] Includes institution's and State and local governments.
[2] Includes support from nonprofit institutions, industry, and all other U.S. sources.
[3] Since 1969.

Survey of Graduate Science Student Support, Fall 1973
Departmental Data Sheet

TABLE IV-3
SUMMARY OF RESPONSES FROM 713 GRADUATE DEPARTMENTS IN THE PHYSICAL SCIENCES

Type of support	Citizenship and level	U.S. Government Source (excl. loans)									Non-Government Source					Grand total
				HEW												
		AEC	DOD	NDEA	NIH	Other	NASA	NSF	Other	Total	Institutional support[1]	Foreign sources	Other U.S. sources[2]	Self, loans, and family	Total	
Fellowships and traineeships	U.S.	24	30	292	212	15	5	549	153	1,280	1,188	20	473		1,681	2,961
	Foreign		0	0	11	1	3		33	48	252	245	88		585	633
	Subtotal	24	30	292	223	16	8	549	186	1,328	1,440	265	561		2,266	3,594
	First year	1	11	13	4	3	1	124	79	236	546	94	112		752	988
	Beyond	23	19	279	219	13	7	425	107	1,092	894	171	449		1,514	2,606
Graduate research assistantships	U.S.	695	533	7	513	49	467	2,623	694	5,581	1,144		398		1,542	7,123
	Foreign	149	145	0	160	13	80	674	137	1,358	305	25	67		397	1,755
	Subtotal	844	678	7	673	62	547	3,297	831	6,939	1,449	25	465		1,939	8,878
	First year	53	66	0	24	13	92	310	119	677	247	7	79		333	1,010
	Beyond	791	612	7	649	49	455	2,987	712	6,262	1,202	18	386		1,606	7,868
Graduate teaching assistantships	U.S.				0	3		11	2	16	9,286		41		9,327	9,343
	Foreign				0	0		4	1	5	2,428		4		2,432	2,437
	Subtotal				0	3		15	3	21	11,714		45		11,759	11,780
	First year				0	0		6	1	7	4,298		24		4,322	4,329
	Beyond				0	3		9	2	14	7,416		21		7,437	7,451
Other types of support	U.S.	7	285	0	3	2	18	28	246	589	262		182	2,482	2,926	3,515
	Foreign	0	10	0	0	0	2	4	2	18	61	123	15	481	680	698
	Subtotal	7	295	0	3	2	20	32	248	607	323	123	197	2,963	3,606	4,213
	First year	1	101	0	0	1	6	3	71	183	102	39	57	1,018	1,216	1,399
	Beyond	6	194	0	3	1	14	29	177	424	221	84	140	1,945	2,390	2,814
All types, total		875	1,003	299	899	83	575	3,893	1,268	8,895	14,926	413	1,268	2,963	19,570	28,465
Men	First year	48	168	10	21	16	95	394	251	1,003	4,468	124	245	885	5,722	6,725
	Beyond	775	778	249	754	57	454	3,175	924	7,166	8,511	259	908	1,729	11,407	18,573
Women	First year	7	10	3	7	1	4	49	19	100	725	16	27	133	901	1,001
	Beyond	45	47	37	117	9	22	275	74	626	1,222	14	88	216	1,540	2,166

Part-time Graduate Students Fall 1973		
First year	Beyond first	Total
1,084	3,424	4,508

Postdoctorals and/or Research Associates Fall 1973				
Source of support				
U.S. Government				
Fellowships/ traineeships	Research associates	Non-U.S. Government	Total	Recent doctorals[3]
490	2,688	945	4,123	2,850

[1] Includes institutions and State and local governments.
[2] Includes support from nonprofit institutions, industry, and all other U.S. sources.
[3] Since 1969.

182

Survey of Graduate Science Student Support, Fall 1973
Departmental Data Sheet

TABLE IV-4
SUMMARY OF RESPONSES FROM 339 GRADUATE DEPARTMENTS IN THE MATHEMATICAL SCIENCES

Type of support	Citizenship and level	U.S. Government Source (excl. loans)									Non-Government Source					Grand total
				HEW												
		AEC	DOD	NDEA	NIH	Other	NASA	NSF	Other	Total	Institutional support[1]	Foreign sources	Other U.S. sources[2]	Self, loans, and family	Total	
Fellowships and traineeships	U.S.	0	21	110	67	9	2	337	37	583	533	6	107		646	1,229
	Foreign		1	0	1	0	0		10	12	131	146	21		298	310
	Subtotal	0	22	110	68	9	2	337	47	595	664	152	128		944	1,539
	First year	0	12	7	6	1	0	99	15	140	291	55	36		382	522
	Beyond	0	10	103	62	8	2	238	32	455	373	97	92		562	1,017
Graduate research assistantships	U.S.	25	142	1	39	4	5	294	79	589	344		17		361	950
	Foreign	12	44	0	8	1	2	99	31	197	115	2	12		129	326
	Subtotal	37	186	1	47	5	7	393	110	786	459	2	29		490	1,276
	First year	3	37	0	14	1	4	87	19	165	125	1	9		135	300
	Beyond	34	149	1	33	4	3	306	91	621	334	1	20		355	976
Graduate teaching assistantships	U.S.				1	0		20	5	26	5,136		16		5,152	5,178
	Foreign				0	0		6	0	6	1,017		1		1,018	1,024
	Subtotal				1	0		26	5	32	6,153		17		6,170	6,202
	First year				0	0		9	1	10	1,922		7		1,929	1,939
	Beyond				1	0		17	4	22	4,231		10		4,241	4,263
Other types of support	U.S.	0	135	0	1	0	1	16	91	244	191		277	2,242	2,710	2,954
	Foreign	0	19	0	0	0	0	5	11	35	70	86	49	551	756	791
	Subtotal	0	154	0	1	0	1	21	102	279	261	86	326	2,793	3,466	3,745
	First year	0	77	0	0	0	1	11	54	143	79	38	112	1,262	1,491	1,634
	Beyond	0	77	0	1	0	0	10	48	136	182	48	214	1,531	1,975	2,111
All types, total		37	362	111	117	14	10	777	264	1,692	7,537	240	500	2,793	11,070	12,762
Men	First year	3	123	5	16	2	3	149	79	380	1,848	76	131	980	3,035	3,415
	Beyond	29	223	90	83	9	5	517	152	1,108	4,197	126	286	1,236	5,845	6,953
Women	First year	0	3	2	4	0	2	57	10	78	569	18	33	282	902	980
	Beyond	5	13	14	14	3	0	54	23	126	923	20	50	295	1,288	1,414

Part-time Graduate Students Fall 1973		
First year	Beyond first	Total
2,626	3,147	5,773

Postdoctorals and/or Research Associates Fall 1973				
Source of support				
U.S. Government				
Fellowships/ traineeships	Research associates	Non-U.S. Government	Total	Recent doctorals[3]
32	62	51	145	82

[1] Includes institution's and State and local governments.
[2] Includes support from nonprofit institutions, industry, and all other U.S. sources.
[3] Since 1969.

Survey of Graduate Science Student Support, Fall 1973
Departmental Data Sheet

TABLE IV-5
SUMMARY OF RESPONSES FROM 3,422 GRADUATE DEPARTMENTS IN THE LIFE SCIENCES

Type of support	Citizenship and level	U.S. Government Source (excl. loans)									Non-Government Source					Grand total
				HEW												
		AEC	DOD	NDEA	NIH	Other	NASA	NSF	Other	Total	Institutional support[1]	Foreign sources	Other U.S. sources[2]	Self, loans, and family	Total	
Fellowships and traineeships	U.S.	32	54	306	4,955	933	18	520	546	7,364	2,116	25	612		2,753	10,117
	Foreign		0	0	137	25	4		254	420	321	637	237		1,195	1,615
	Subtotal	32	54	306	5,092	958	22	520	800	7,784	2,437	662	849		3,948	11,732
	First year	1	24	19	560	243	5	108	309	1,269	983	277	271		1,531	2,800
	Beyond	31	30	287	4,532	715	17	412	491	6,515	1,454	385	578		2,417	8,932
Graduate research assistantships	U.S.	70	38	14	1,273	122	47	539	1,440	3,543	3,370		859		4,229	7,772
	Foreign	20	13	1	370	28	4	93	286	815	702	94	173		969	1,784
	Subtotal	90	51	15	1,643	150	51	632	1,726	4,358	4,072	94	1,032		5,198	9,556
	First year	14	9	4	340	42	20	140	445	1,014	1,216	36	319		1,571	2,585
	Beyond	76	42	11	1,303	108	31	492	1,281	3,344	2,856	58	713		3,627	6,971
Graduate teaching assistantships	U.S.				34	18		19	27	98	7,972		69		8,041	8,139
	Foreign				2	8		0	10	20	827		10		837	857
	Subtotal				36	26		19	37	118	8,799		79		8,878	8,996
	First year				10	16		6	13	45	2,923		33		2,956	3,001
	Beyond				26	10		13	24	73	5,876		46		5,922	5,995
Other types of support	U.S.	3	10	4	66	10	0	28	182	303	673		398	7,708	8,779	9,082
	Foreign	0	0	0	12	2	0	5	62	81	112	341	117	1,004	1,574	1,655
	Subtotal	3	10	4	78	12	0	33	244	384	785	341	515	8,712	10,353	10,737
	First year	1	2	0	31	4	0	23	94	155	319	143	191	4,502	5,155	5,310
	Beyond	2	8	4	47	8	0	10	150	229	466	198	324	4,210	5,198	5,427
All types, total		125	115	325	6,849	1,146	73	1,204	2,807	12,644	16,093	1,097	2,475	8,712	28,377	41,021
Men	First year	14	33	15	658	170	20	220	730	1,860	3,894	396	625	3,104	8,019	9,879
	Beyond	81	75	228	4,281	470	43	714	1,717	7,609	8,220	573	1,351	3,144	13,288	20,897
Women	First year	2	2	8	283	135	5	57	131	623	1,547	60	189	1,398	3,194	3,817
	Beyond	28	5	74	1,627	371	5	213	229	2,552	2,432	68	310	1,066	3,876	6,428

Part-time Graduate Students Fall 1973		
First year	Beyond first	Total
2,376	4,217	6,593

Postdoctorals and/or Research Associates Fall 1973				
Source of support				
U.S. Government				
Fellowships/ traineeships	Research associates	Non-U.S. Government	Total	Recent doctorals[3]
3,858	3,140	3,522	10,520	5,809

[1] Includes institution's and State and local governments.
[2] Includes support from nonprofit institutions, industry, and all other U.S. sources.
[3] Since 1969.

Survey of Graduate Science Student Support, Fall 1973
Departmental Data Sheet

TABLE IV-6
SUMMARY OF RESPONSES FROM 215 GRADUATE DEPARTMENTS IN PSYCHOLOGY

Type of support	Citizenship and level	U.S. Government Source (excl. loans)									Non-Government Source					Grand total
		AEC	DOD	HEW: NDEA	HEW: NIH	HEW: Other	NASA	NSF	Other	Total	Institutional support[1]	Foreign sources	Other U.S. sources[2]	Self, loans, and family	Total	
Fellowships and traineeships	U.S.	1	17	115	826	1,190	2	227	437	2,815	836	7	238		1,081	3,896
	Foreign		0	0	3	8	0		20	31	49	26	9		84	115
	Subtotal	1	17	115	829	1,198	2	227	457	2,846	885	33	247		1,165	4,011
	First year	0	2	9	200	323	1	49	87	671	240	7	48		295	966
	Beyond	1	15	106	629	875	1	178	370	2,175	645	26	199		870	3,045
Graduate research assistantships	U.S.	0	48	1	214	299	5	122	162	851	869		106		975	1,826
	Foreign	0	2	0	22	19	0	9	5	57	28	1	4		33	90
	Subtotal	0	50	1	236	318	5	131	167	908	897	1	110		1,008	1,916
	First year	0	9	0	63	74	2	25	39	212	294	0	49		343	555
	Beyond	0	41	1	173	244	3	106	128	696	603	1	61		665	1,361
Graduate teaching assistantships	U.S.				1	32		4	2	39	3,183		13		3,196	3,235
	Foreign				0	1		0	0	1	126		0		126	127
	Subtotal				1	33		4	2	40	3,309		13		3,322	3,362
	First year				0	7		0	0	7	894		6		900	907
	Beyond				1	26		4	2	33	2,415		7		2,422	2,455
Other types of support	U.S.	0	22	2	8	18	0	11	173	234	612		588	3,702	4,902	5,136
	Foreign	0	0	0	0	1	0	0	4	5	17	27	13	315	372	377
	Subtotal	0	22	2	8	19	0	11	177	239	629	27	601	4,017	5,274	5,513
	First year	0	8	0	2	0	0	0	49	59	135	14	51	1,512	1,712	1,771
	Beyond	0	14	2	6	19	0	11	128	180	494	13	550	2,505	3,562	3,742
All types, total		1	89	118	1,074	1,568	7	373	803	4,033	5,720	61	971	4,017	10,769	14,802
Men	First year	0	14	5	155	238	1	41	119	573	918	13	83	894	1,908	2,481
	Beyond	1	61	69	524	733	4	198	442	2,032	2,737	23	561	1,559	4,880	6,912
Women	First year	0	5	4	110	166	2	33	56	376	645	8	71	618	1,342	1,718
	Beyond	0	9	40	285	431	0	101	186	1,052	1,420	17	256	946	2,639	3,691

Part-time Graduate Students, Fall 1973		
First year	Beyond first	Total
669	2,549	3,218

Postdoctorals and/or Research Associates, Fall 1973				
Source of support				
U.S. Government				
Fellowships/ traineeships	Research associates	Non-U.S. Government	Total	Recent doctorals[3]
54	76	60	190	122

[1] Includes institution's and State and local governments.
[2] Includes support from nonprofit institutions, industry, and all other U.S. sources.
[3] Since 1969.

Survey of Graduate Science Student Support, Fall 1973
Departmental Data Sheet

TABLE IV-7
SUMMARY OF RESPONSES FROM 928 GRADUATE DEPARTMENTS IN THE SOCIAL SCIENCES

Type of support	Citizenship and level	U.S. Government Source (excl. loans)									Non-Government Source					Grand total
		AEC	DOD	HEW: NDEA	HEW: NIH	HEW: Other	NASA	NSF	Other	Total	Institutional support[1]	Foreign sources	Other U.S. sources[2]	Self, loans, and family	Total	
Fellowships and traineeships	U.S.	3	43	630	495	634	2	493	593	2,893	2,650	35	900		3,585	6,478
	Foreign		1	8	9	21	0		330	369	406	491	336		1,233	1,602
	Subtotal	3	44	638	504	655	2	493	923	3,262	3,056	526	1,236		4,818	8,080
	First year	1	28	91	40	143	1	118	378	800	1,191	183	368		1,742	2,542
	Beyond	2	16	547	464	512	1	375	545	2,462	1,865	343	868		3,076	5,538
Graduate research assistantships	U.S.	1	17	3	50	132	10	262	483	958	2,225		253		2,478	3,436
	Foreign	0	3	2	14	8	3	60	146	236	419	8	60		487	723
	Subtotal	1	20	5	64	140	13	322	629	1,194	2,644	8	313		2,965	4,159
	First year	0	7	3	15	24	4	62	192	307	973	3	116		1,092	1,399
	Beyond	1	13	2	49	116	9	260	437	887	1,671	5	197		1,873	2,760
Graduate teaching assistantships	U.S.				0	7		5	31	43	7,026		53		7,079	7,122
	Foreign				0	1		2	4	7	911		2		913	920
	Subtotal				0	8		7	35	50	7,937		55		7,992	8,042
	First year				0	1		0	20	21	2,127		11		2,138	2,159
	Beyond				0	7		7	15	29	5,810		44		5,854	5,883
Other types of support	U.S.	0	202	3	6	9	0	17	324	561	864		403	11,258	12,525	13,086
	Foreign	0	0	0	0	0	0	3	73	76	103	179	38	1,670	1,990	2,066
	Subtotal	0	202	3	6	9	0	20	397	637	967	179	441	12,928	14,515	15,152
	First year	0	105	1	2	1	0	2	164	275	336	89	140	5,280	5,845	6,120
	Beyond	0	97	2	4	8	0	18	233	362	631	90	301	7,648	8,670	9,032
All types, total		4	266	646	574	812	15	842	1,984	5,143	14,604	713	2,045	12,928	30,290	35,433
Men	First year	1	135	70	35	82	5	124	593	1,045	3,243	229	462	3,731	7,665	8,710
	Beyond	2	120	416	308	380	10	494	1,008	2,738	7,464	387	1,046	5,592	14,489	17,227
Women	First year	0	5	25	22	87	0	58	161	358	1,384	46	173	1,549	3,152	3,510
	Beyond	1	6	135	209	263	0	166	222	1,002	2,513	51	364	2,056	4,984	5,986

Part-time Graduate Students Fall 1973		
First year	Beyond first	Total
3,892	8,889	12,781

Postdoctorals and/or Research Associates Fall 1973				
Source of support				
U.S. Government				
Fellowships/ traineeships	Research associates	Non-U.S. Government	Total	Recent doctorals[3]
57	108	239	404	132

[1] Includes institution's and State and local governments.
[2] Includes support from nonprofit institutions, industry, and all other U.S. sources.
[3] Since 1969.

Survey of Graduate Science Student Support, Fall 1973
Departmental Data Sheet

TABLE IV-8
SUMMARY OF RESPONSES FROM 16 GRADUATE DEPARTMENTS IN ALL OTHER SCIENCES

Type of support	Citizenship and level	U.S. Government Source (excl. loans)									Non-Government Source					Grand total
		AEC	DOD	HEW NDEA	HEW NIH	HEW Other	NASA	NSF	Other	Total	Institutional support[1]	Foreign sources	Other U.S. sources[2]	Self, loans, and family	Total	
Fellowships and traineeships	U.S.	0	0	1	0	25	0	0	1	27	3	0	0		3	30
	Foreign		0	0	0	0	0		0	0	1	0	1		2	2
	Subtotal	0	0	1	0	25	0	0	1	27	4	0	1		5	32
	First year	0	0	0	0	25	0	0	1	26	3	0	1		4	30
	Beyond	0	0	1	0	0	0	0	0	1	1	0	0		1	2
Graduate research assistantships	U.S.	0	0	0	2	0	0	0	0	2	9		0		9	11
	Foreign	0	0	0	0	0	0	0	0	0	1	0	0		1	1
	Subtotal	0	0	0	2	0	0	0	0	2	10	0	0		10	12
	First year	0	0	0	0	0	0	0	0	0	1	0	0		1	1
	Beyond	0	0	0	2	0	0	0	0	2	9	0	0		9	11
Graduate teaching assistantships	U.S.				0	0		0	0	0	33		0		33	33
	Foreign				0	0		0	0	0	4		0		4	4
	Subtotal				0	0		0	0	0	37		0		37	37
	First year				0	0		0	0	0	18		0		18	18
	Beyond				0	0		0	0	0	19		0		19	19
Other types of support	U.S.	0	0	0	0	0	0	0	1	1	4	0	1	40	45	46
	Foreign	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6
	Subtotal	0	0	0	0	0	0	0	1	1	4	0	1	46	51	52
	First year	0	0	0	0	0	0	0	0	0	4	0	1	21	26	26
	Beyond	0	0	0	0	0	0	0	1	1	0	0	0	25	25	26
All types, total		0	0	1	2	25	0	0	2	30	55	0	2	46	103	133
Men	First year	0	0	0	0	13	0	0	1	14	19	0	2	14	35	49
	Beyond	0	0	0	2	0	0	0	1	3	19	0	0	20	39	42
Women	First year	0	0	0	0	12	0	0	0	12	7	0	0	7	14	26
	Beyond	0	0	1	0	0	0	0	0	1	10	0	0	5	15	16

Part-time Graduate Students Fall 1973		
First year	Beyond first	Total
86	136	222

Postdoctorals and/or Research Associates Fall 1973				
Source of support				
U.S. Government		Non-U.S. Government	Total	Recent doctorals[3]
Fellowships/ traineeships	Research associates			
0	0	1	1	1

[1] Includes institution's and State and local governments
[2] Includes support from nonprofit institutions, industry, and all other U.S. sources
[3] Since 1969

Survey of Graduate Science Student Support, Fall 1973
Departmental Data Sheet

TABLE IV-9
SUMMARY OF RESPONSES FROM 876 MASTERS DEPARTMENTS

Type of support	Citizenship and level [1]	U.S. Government Source (excl. loans)									Non-Government Source					Grand total
				HEW												
		AEC	DOD	NDEA	NIH	Other	NASA	NSF	Other	Total	Institutional support [1]	Foreign sources	Other U.S. sources [2]	Self, loans, and family	Total	
Fellowships and traineeships	U.S.	8	71	12	61	141	2	29	179	503	338	10	140		488	991
	Foreign		0	0	3	4	0		32	39	44	66	29		139	178
	Subtotal	8	71	12	64	145	2	29	211	542	382	76	169		627	1,169
	First year	3	63	8	24	37	1	17	139	292	225	47	97		369	661
	Beyond	5	8	4	40	108	1	12	72	250	157	29	72		258	508
Graduate research assistantships	U.S.	8	39	0	21	29	13	71	307	488	879		160		1,039	1,527
	Foreign	0	5	0	4	6	5	29	56	105	165	24	30		219	324
	Subtotal	8	44	0	25	35	18	100	363	593	1,044	24	190		1,258	1,851
	First year	3	19	0	7	12	8	54	163	266	593	9	105		707	973
	Beyond	5	25	0	18	23	10	46	200	327	451	15	85		551	878
Graduate teaching assistantships	U.S.				0	6		13	17	36	3,105		28		3,133	3,159
	Foreign				0	0		2	6	8	370		0		370	378
	Subtotal				0	6		15	23	44	3,475		28		3,503	3,547
	First year				0	4		9	16	29	1,911		17		1,928	1,957
	Beyond				0	2		6	7	15	1,564		11		1,575	1,590
Other types of support	U.S.	0	386	0	0	6	0	24	218	634	351		161	4,152	4,664	5,298
	Foreign	0	19	0	0	0	0	0	28	47	38	114	11	634	797	844
	Subtotal	0	405	0	0	6	0	24	246	681	389	114	172	4,786	5,461	6,142
	First year	0	208	0	0	1	0	22	134	365	230	73	82	2,685	3,070	3,435
	Beyond	0	197	0	0	5	0	2	112	316	159	41	90	2,101	2,391	2,707
All types, total		16	520	12	89	192	20	168	843	1,860	5,290	214	559	4,786	10,849	12,709
Men	First year	6	289	8	13	20	9	79	387	811	2,211	104	251	1,910	4,476	5,287
	Beyond	9	229	4	33	28	11	60	346	720	1,769	70	213	1,632	3,684	4,404
Women	First year	0	1	0	18	34	0	23	65	141	748	25	50	775	1,598	1,739
	Beyond	1	1	0	25	110	0	6	45	188	562	15	45	469	1,091	1,279

Part-time Graduate Students Fall 1973		
First year	Beyond first	Total
4,964	5,048	10,012

Postdoctorals and/or Research Associates Fall 1973				
Source of support				
U.S. Government				
Fellowships/ traineeships	Research associates	Non-U.S. Government	Total	Recent doctorals [3]
22	61	61	144	65

[1] Includes institution's and State and local governments.
[2] Includes support from nonprofit institutions, industry, and all other U.S. sources.
[3] Since 1969.

Survey of Graduate Science Student Support, Fall 1973
Departmental Data Sheet

TABLE IV-10
SUMMARY OF RESPONSES FROM 189 MASTER'S DEPARTMENTS IN ENGINEERING

Type of support	Citizenship and level	U.S. Government Source (excl. loans)									Non-Government Source					Grand total
		AEC	DOD	HEW[1] NDEA	HEW[1] NIH	HEW[1] Other	NASA	NSF	Other	Total	Institutional support[1]	Foreign sources	Other U.S. sources[2]	Self, loans, and family	Total	
Fellowships and traineeships	U.S.	4	50	1	3	5	0	5	59	127	27	0	15		42	169
	Foreign		0	0	0	0	0		9	9	8	9	3		20	29
	Subtotal	4	50	1	3	5	0	5	68	136	35	9	18		62	198
	First year	2	49	1	1	3	0	5	52	113	13	7	13		33	146
	Beyond	2	1	0	2	2	0	0	16	23	22	2	5		29	52
Graduate research assistantships	U.S.	2	23	0	0	0	5	27	56	113	119		39		158	271
	Foreign	0	2	0	0	0	4	21	25	52	60	4	14		78	130
	Subtotal	2	25	0	0	0	9	48	81	185	179	4	53		236	401
	First year	2	13	0	0	0	5	28	51	99	103	0	39		142	241
	Beyond	0	12	0	0	0	4	20	30	66	76	4	14		94	160
Graduate teaching assistantships	U.S.				0	0		0	3	3	370		8		378	381
	Foreign				0	0		0	0	0	87		0		87	87
	Subtotal				0	0		0	3	3	457		8		465	468
	First year				0	0		0	3	3	275		6		281	284
	Beyond				0	0		0	0	0	182		2		184	184
Other types of support	U.S.	0	108	0	0	0	0	0	70	178	32		22	607	661	839
	Foreign	0	0	0	0	0	0	0	4	4	9	33	3	299	344	348
	Subtotal	0	108	0	0	0	0	0	74	182	41	33	25	906	1,005	1,187
	First year	0	54	0	0	0	0	0	30	84	27	21	10	495	553	637
	Beyond	0	54	0	0	0	0	0	44	98	14	12	15	411	452	550
All types, total		6	183	1	3	5	9	53	226	486	712	46	104	906	1,768	2,254
Men	First year	4	116	1	1	3	5	31	125	286	392	28	68	456	944	1230
	Beyond	2	67	0	2	0	4	20	86	181	276	16	36	373	701	882
Women	First year	0	0	0	0	0	0	2	11	13	26	0	0	39	65	78
	Beyond	0	0	0	0	2	0	0	4	6	18	2	0	38	58	64

Part-time Graduate Students Fall 1973		
First year	Beyond first	Total
1,853	1,747	3,600

Postdoctorals and/or Research Associates Fall 1973				
Source of support				
U.S. Government				
Fellowships/ traineeships	Research associates	Non-U.S. Government	Total	Recent doctorals[3]
0	4	9	13	4

[1] Includes institution's and State and local governments.
[2] Includes support from nonprofit institutions, industry, and all other U.S. sources.
[3] Since 1969.

181

Survey of Graduate Science Student Support, Fall 1973
Departmental Data Sheet

TABLE IV-11
SUMMARY OF RESPONSES FROM 128 MASTER's DEPARTMENTS IN PHYSICAL SCIENCES

Type of support	Citizenship and level	U.S. Government Source (excl. loans)									Non-Government Source					Grand total
		AEC	DOD	HEW: NDEA	HEW: NIH	HEW: Other	NASA	NSF	Other	Total	Institutional support[1]	Foreign sources	Other U.S. sources[2]	Self, loans, and family	Total	
Fellowships and traineeships	U.S.	3	2	1	8	1	0	4	23	42	24	1	16		41	83
	Foreign		0	0	0	0	0		0	0	2	6	3		11	11
	Subtotal	3	2	1	8	1	0	4	23	42	26	7	19		52	94
	First year	0	1	0	1	0	0	1	16	19	15	3	4		22	41
	Beyond	3	1	1	7	1	0	3	7	23	11	4	15		30	53
Graduate research assistantships	U.S.	3	11	0	2	0	6	13	35	70	73		39		112	182
	Foreign	0	2	0	1	0	0	4	1	8	12	2	4		18	26
	Subtotal	3	13	0	3	0	6	17	36	78	85	2	43		130	208
	First year	0	5	0	0	0	2	7	11	25	51	1	12		64	89
	Beyond	3	8	0	3	0	4	10	25	53	34	1	31		66	119
Graduate teaching assistantships	U.S.				0	0		2	0	2	567		5		572	574
	Foreign				0	0		0	0	0	84		0		84	84
	Subtotal				0	0		2	0	2	651		5		656	658
	First year				0	0		2	0	2	328		5		333	335
	Beyond				0	0		0	0	0	323		0		323	323
Other types of support	U.S.	0	0	0	0	0	0	1	22	23	25		25	212	262	285
	Foreign	0	0	0	0	0	0	0	0	0	13	6	0	28	47	47
	Subtotal	0	0	0	0	0	0	1	22	23	38	6	25	240	309	332
	First year	0	0	0	0	0	0	0	8	8	16	5	11	122	154	162
	Beyond	0	0	0	0	0	0	1	14	15	22	1	14	118	155	170
All types, total		6	15	1	11	1	6	24	81	145	800	15	92	240	1,147	1,292
Men	First year	0	6	0	0	0	2	9	32	49	366	7	28	101	502	551
	Beyond	6	9	1	7	0	4	13	42	82	333	6	49	104	492	574
Women	First year	0	0	0	1	0	0	1	3	5	44	2	4	21	71	76
	Beyond	0	0	0	3	1	0	1	4	9	57	0	11	14	82	91

Part-time Graduate Students, Fall 1973		
First year	Beyond first	Total
234	396	630

Postdoctorals and/or Research Associates, Fall 1973				
Source of support				
U.S. Government				
Fellowships/ traineeships	Research associates	Non-U.S. Government	Total	Recent doctorals[3]
1	9	7	17	13

[1] Includes institution's and State and local governments.
[2] Includes support from nonprofit institutions, industry, and all other U.S. sources.
[3] Since 1969.

Survey of Graduate Science Student Support, Fall 1973
Departmental Data Sheet

TABLE IV-12
SUMMARY OF RESPONSES FROM 83 MASTER'S DEPARTMENTS IN THE MATHEMATICAL SCIENCES

Type of support	Citizenship and level	U.S. Government Source (excl. loans)									Non-Government Source					Grand total
				HEW												
		AEC	DOD	NDEA	NIH	Other	NASA	NSF	Other	Total	Institutional support[1]	Foreign sources	Other U.S. sources[2]	Self, loans, and family	Total	
Fellowships and traineeships	U.S.	0	7	0	0	0	0	4	4	15	15	0	5		20	35
	Foreign		0	0	0	0	0		0	0	0	3	0		3	3
	Subtotal	0	7	0	0	0	0	4	4	15	15	3	5		23	38
	First year	0	6	0	0	0	0	2	1	9	9	3	2		14	23
	Beyond	0	1	0	0	0	0	2	3	6	6	0	3		9	15
Graduate research assistantships	U.S.	0	0	0	2	0	0	6	2	10	34		4		38	48
	Foreign	0	0	0	0	0	1	1	0	2	8	0	1		9	11
	Subtotal	0	0	0	2	0	1	7	2	12	42	0	5		47	59
	First year	0	0	0	1	0	0	3	1	5	25	0	2		27	32
	Beyond	0	0	0	1	0	1	4	1	7	17	0	3		20	27
Graduate teaching assistantships	U.S.				0	0		11	0	11	509		5		514	525
	Foreign				0	0		2	0	2	53		0		53	55
	Subtotal				0	0		13	0	13	562		5		567	580
	First year				0	0		7	0	7	315		4		319	326
	Beyond				0	0		6	0	6	247		1		248	254
Other types of support	U.S.	0	123	0	0	0	0	7	4	134	20		6	336	362	496
	Foreign	0	19	0	0	0	0	0	2	21	2	18	0	53	73	94
	Subtotal	0	142	0	0	0	0	7	6	155	22	18	6	389	435	590
	First year	0	71	0	0	0	0	7	5	83	11	10	1	201	223	306
	Beyond	0	71	0	0	0	0	0	1	72	11	8	5	188	212	284
All types, total		0	149	0	2	0	1	31	12	195	641	21	21	389	1,072	1,267
Men	First year	0	77	0	0	0	0	12	6	95	250	7	7	139	403	498
	Beyond	0	71	0	1	0	1	10	5	88	196	5	12	137	350	438
Women	First year	0	0	0	1	0	0	7	1	9	110	6	2	62	180	189
	Beyond	0	1	0	0	0	0	2	0	3	85	3	0	51	139	142

Part-time Graduate Students Fall 1973		
First year	Beyond first	Total
978	630	1,608

Postdoctorals and/or Research Associates Fall 1973				
Source of support				
U.S. Government				
Fellowships/ traineeships	Research associates	Non-U.S. Government	Total	Recent doctorals[3]
0	0	0	0	0

[1] Includes institution's and State and local governments.
[2] Includes support from nonprofit institutions, industry, and all other U.S. sources.
[3] Since 1969.

Survey of Graduate Science Student Support, Fall 1973
Departmental Data Sheet

TABLE IV-13
SUMMARY OF RESPONSES FROM 170 MASTER'S DEPARTMENTS IN THE LIFE SCIENCES

Type of support	Citizenship and level	U.S. Government Source (excl. loans)									Non-Government Source					Grand total
				HEW												
		AEC	DOD	NDEA	NIH	Other	NASA	NSF	Other	Total	Institutional support[1]	Foreign sources	Other U.S. sources[2]	Self, loans, and family	Total	
Fellowships and traineeships	U.S.	0	0	0	47	94	1	3	39	184	80	1	19		100	284
	Foreign		0	0	3	0	0		12	15	10	36	16		62	77
	Subtotal	0	0	0	50	94	1	3	51	199	90	37	35		162	361
	First year	0	0	0	21	16	0	1	25	63	38	23	1		72	135
	Beyond	0	0	0	29	78	1	2	26	136	52	14	24		90	226
Graduate research assistantships	U.S.	3	4	0	13	6	0	4	121	151	243		38		281	432
	Foreign	0	1	0	1	5	0	3	24	34	35	17	6		58	92
	Subtotal	3	5	0	14	11	0	7	145	185	278	17	44		339	524
	First year	1		0	3	6	0	1	47	58	123	8	17		148	206
	Beyond	2	5	0	11	5	0	6	98	127	155	9	27		191	318
Graduate teaching assistantships	U.S.					3		0	4	7	546				546	553
	Foreign					0		0	5	5	49				49	54
	Subtotal					3		0	9	12	595				595	607
	First year					2		0	4	6	300				300	306
	Beyond					1		0	5	6	295				295	301
Other types of support	U.S.	0	1	0	0	1	0	15	15	32	51		24	622	697	729
	Foreign	0	0	0	0	0	0	0	7	7	5	22	4	58	89	96
	Subtotal	0	1	0	0	1	0	15	22	39	56	22	28	680	786	825
	First year	0	0	0	0	1	0	15	17	33	32	12	10	399	453	486
	Beyond	0	1	0	0	0	0	0	5	6	24	10	18	281	333	339
All types, total		3	6	0	64	109	1	25	227	435	1,019	76	107	680	1,882	2,317
Men	First year	1	0	0	9	7	0	11	78	106	355	38	31	219	643	749
	Beyond	1	6	0	20	6	1	6	113	153	403	27	55	217	702	855
Women	First year	0	0	0	15	18	0	6	15	54	138	5	7	180	330	384
	Beyond	1	0	0	20	78	0	2	21	122	123	6	14	64	207	329

Part-time Graduate Students Fall 1973		
First year	Beyond first	Total
374	472	846

Postdoctorals and/or Research Associates Fall 1973				
Source of support				
U.S. Government				
Fellowships/ traineeships	Research associates	Non-U.S. Government	Total	Recent doctorals[3]
17	45	25	87	41

[1] Includes institution's and State and local governments.
[2] Includes support from nonprofit institutions, industry, and all other U.S. sources.
[3] Since 1969.

Survey of Graduate Science Student Support, Fall 1973
Departmental Data Sheet

TABLE IV-14
SUMMARY OF RESPONSES FROM 35 MASTER'S DEPARTMENTS IN PSYCHOLOGY

Type of support	Citizenship and level	U.S. Government Source (excl. loans)									Non-Government Source					Grand total
				HEW												
		AEC	DOD	NDEA	NIH	Other	NASA	NSF	Other	Total	Institutional support[1]	Foreign sources	Other U.S. sources[2]	Self, loans, and family	Total	
Fellowships and traineeships	U.S.	0	0	0	3	7	0	0	0	10	15	6	16		37	47
	Foreign		0	0	0	2	0		0	2	1	1	0		2	4
	Subtotal	0	0	0	3	9	0	0	0	12	16	7	16		39	51
	First year	0	0	0	1	0	0	0	0	1	13	4	7		24	25
	Beyond	0	0	0	2	9	0	0	0	11	3	3	9		15	26
Graduate research assistantships	U.S.	0	0	0	4	7	0	2	0	13	58		6		64	77
	Foreign	0	0	0	2	0	0	0	0	2	1	0	0		1	3
	Subtotal	0	0	0	6	7	0	2	0	15	59	0	6		65	80
	First year	0	0	0	3	2	0	1	0	6	25	0	5		30	36
	Beyond	0	0	0	3	5	0	1	0	9	34	0	1		35	44
Graduate teaching assistantships	U.S.				0	2		0	1	3	226		1		227	230
	Foreign				0	0		0	0	0	2		0		2	2
	Subtotal				0	2		0	1	3	228		1		229	232
	First year				0	2		0	0	2	123		0		123	125
	Beyond				0	0		0	1	1	105		1		105	107
Other types of support	U.S.	0	0	0	0	0	0	0	21	21	55		1	571	627	648
	Foreign	0	0	0	0	0	0	0	0	0	0	11	0	20	31	31
	Subtotal	0	0	0	0	0	0	0	21	21	55	11	1	591	658	679
	First year	0	0	0	0	0	0	0	15	15	26	11	1	300	338	353
	Beyond	0	0	0	0	0	0	0	6	6	29	0	0	291	320	326
All types, total		0	0	0	9	18	0	2	22	51	358	18	24	591	991	1,042
Men	First year	0	0	0	3	2	0	0	15	20	105	9	8	188	310	330
	Beyond	0	0	0	3	5	0	1	7	16	106	1	8	166	281	297
Women	First year	0	0	0	1	2	0	1	0	4	82	6	5	112	205	209
	Beyond	0	0	0	2	9	0	0	0	11	65	2	3	125	195	206

Part-time Graduate Students Fall 1973		
First year	Beyond first	Total
77	185	262

Postdoctorals and/or Research Associates Fall 1973				
Source of support				
U.S. Government		Non-U.S. Government	Total	Recent doctorals[3]
Fellowships/ traineeships	Research associates			
0	0	0	0	0

[1] Includes institution's and State and local governments.
[2] Includes support from nonprofit institutions, industry, and all other U.S. sources.
[3] Since 1969.

Survey of Graduate Science Student Support, Fall 1973
Departmental Data Sheet

TABLE IV-15
SUMMARY OF RESPONSES FROM 269 MASTER'S DEPARTMENTS IN THE SOCIAL SCIENCES

Type of support	Citizenship and level	U.S. Government Source (excl. loans)									Non-Government Source					Grand total
		AEC	DOD	HEW: NDEA	HEW: NIH	HEW: Other	NASA	NSF	Other	Total	Institutional support[1]	Foreign sources	Other U.S. sources[2]	Self, loans, and family	Total	
Fellowships and traineeships	U.S.	1	12	10	0	34	1	13	54	125	175	2	69		246	371
	Foreign		0	0	0	2	0		11	13	23	11	6		40	53
	Subtotal	1	12	10	0	36	1	13	65	138	198	13	75		286	424
	First year	1	7	7	0	18	1	8	45	87	135	7	59		201	288
	Beyond	0	5	3	0	18	0	5	20	51	63	6	16		85	136
Graduate research assistantships	U.S.	0	1	0	0	16	2	19	93	131	352		34		386	517
	Foreign	0	0	0	0	1	0	0	6	7	49	1	5		55	62
	Subtotal	0	1	0	0	17	2	19	99	138	401	1	39		441	579
	First year	0	1	0	0	4	1	14	53	73	266	0	30		296	369
	Beyond	0	0	0	0	13	1	5	46	65	135	1	9		145	210
Graduate teaching assistantships	U.S.				0	1		0	9	10	887		9		896	906
	Foreign				0	0		0	1	1	95		0		95	96
	Subtotal				0	1		0	10	11	982		9		991	1,002
	First year				0	0		0	9	9	570		2		572	581
	Beyond				0	1		0	1	2	412		7		419	421
Other types of support	U.S.	0	154	0	0	5	0	1	85	245	164		83	1,797	2,044	2,289
	Foreign	0	0	0	0	0	0	0	15	15	9	24	4	175	212	227
	Subtotal	0	154	0	0	5	0	1	100	260	173	24	87	1,972	2,256	2,516
	First year	0	83	0	0	0	0	0	59	142	114	14	49	1,160	1,337	1,479
	Beyond	0	71	0	0	5	0	1	41	118	59	10	38	812	919	1,037
All types, total		1	167	10	0	59	3	33	274	547	1,754	38	210	1,972	3,974	4,521
Men	First year	1	90	7	0	8	2	16	131	255	739	15	108	800	1,662	1,917
	Beyond	0	76	3	0	17	1	10	92	199	455	15	53	635	1,158	1,357
Women	First year	0	1	0	0	14	0	6	35	56	346	6	32	360	744	800
	Beyond	0	0	0	0	20	0	1	16	37	214	2	17	177	410	447

Part-time Graduate Students Fall 1973		
First year	Beyond first	Total
1,447	1,618	3,065

Postdoctorals and/or Research Associates Fall 1973				
Source of support				
U.S. Government				
Fellowships/ traineeships	Research associates	Non-U.S. Government	Total	Recent doctorals[3]
4	3	20	27	7

[1] Includes institution's and State and local governments.
[2] Includes support from nonprofit institutions, industry, and all other U.S. sources.
[3] Since 1969.

Survey of Graduate Science Student Support, Fall 1973
Departmental Data Sheet

TABLE IV-16
SUMMARY OF RESPONSES FROM 2 MASTER'S DEPARTMENTS IN ALL OTHER SCIENCES

Type of support	Citizenship and level	U.S. Government Source (excl. loans)									Non-Government Source					Grand total
		AEC	DOD	HEW: NDEA	HEW: NIH	HEW: Other	NASA	NSF	Other	Total	Institutional support[1]	Foreign sources	Other U.S. sources[2]	Self, loans, and family	Total	
Fellowships and traineeships	U.S.	0	0	0	0	0	0	0	0	0	2	0	0		2	2
	Foreign		0	0	0	0	0		0	0	0	0	1		1	1
	Subtotal	0	0	0	0	0	0	0	0	0	2	0	1		3	3
	First year	0	0	0	0	0	0	0	0	0	2	0	1		3	3
	Beyond	0	0	0	0	0	0	0	0	0	0	0	0		0	0
Graduate research assistantships	U.S.	0	0	0	0	0	0	0	0	0	0		0		0	0
	Foreign	0	0	0	0	0	0	0	0	0	0	0	0		0	0
	Subtotal	0	0	0	0	0	0	0	0	0	0	0	0		0	0
	First year	0	0	0	0	0	0	0	0	0	0	0	0		0	0
	Beyond	0	0	0	0	0	0	0	0	0	0	0	0		0	0
Graduate teaching assistantships	U.S.				0	0		0	0	0	0		0		0	0
	Foreign				0	0		0	0	0	0		0		0	0
	Subtotal				0	0		0	0	0	0		0		0	0
	First year				0	0		0	0	0	0		0		0	0
	Beyond				0	0		0	0	0	0		0		0	0
Other types of support	U.S.	0	0	0	0	0	0	0	1	1	4		0	7	11	12
	Foreign	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	Subtotal	0	0	0	0	0	0	0	1	1	4	0	0	8	12	13
	First year	0	0	0	0	0	0	0	0	0	4	0	0	8	12	12
	Beyond	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1
All types, total		0	0	0	0	0	0	0	1	1	6	0	1	8	15	16
Men	First year	0	0	0	0	0	0	0	0	0	4	0	1	7	12	12
	Beyond	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1
Women	First year	0	0	0	0	0	0	0	0	0	2	0	0	1	3	3
	Beyond	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Part-time Graduate Students, Fall 1973		
First year	Beyond first	Total
1	0	1

Postdoctorals and/or Research Associates, Fall 1973				
Source of support				
U.S. Government		Non-U.S. Government	Total	Recent doctorals[3]
Fellowships/ traineeships	Research associates			
0	0	0	0	0

[1] Includes [illegible] and State and local governments.
[2] Includes support from nonprofit institutions, industry, and all other U.S. sources.
[3] Since 1968.

Survey of Graduate Science Student Support, Fall 1973
Departmental Data Sheet

TABLE IV-17
SUMMARY OF RESPONSES FROM 5,683 DOCTORATE DEPARTMENTS

Type of support	Citizenship and level	U.S. Government Source (excl. loans)									Non-Government Source					Grand total
		AEC	DOD	HEW: NDEA	HEW: NIH	HEW: Other	NASA	NSF	Other	Total	Institutional support[1]	Foreign sources	Other U.S. sources[2]	Self, loans, and family	Total	
Fellowships and traineeships	U.S.	176	256	1,631	6,845	2,844	47	2,509	2,283	16,591	8,078	96	2,918		11,092	27,683
	Foreign		5	9	179	57	9		710	969	1,484	1,989	842		4,314	5,283
	Subtotal	176	261	1,640	7,024	2,901	56	2,509	2,993	17,560	9,562	2,084	3,760		15,406	32,966
	First year	55	122	144	831	825	17	623	1,268	3,885	3,802	807	1,132		5,741	9,626
	Beyond	121	139	1,496	6,193	2,076	39	1,886	1,725	13,675	5,760	1,277	2,628		9,665	23,340
Graduate research assistantships	U.S.	1,007	1,592	33	2,267	629	830	4,928	3,462	14,748	8,698		2,311		11,009	25,757
	Foreign	315	766	4	669	96	302	1,593	1,278	5,323	2,356	133	691		3,180	8,503
	Subtotal	1,322	2,358	37	2,936	725	1,132	6,821	4,740	20,071	11,054	133	3,002		14,189	34,260
	First year	150	546	7	515	167	277	1,135	1,105	3,902	3,244	47	937		4,228	8,130
	Beyond	1,172	1,812	30	2,421	558	855	5,686	3,635	16,169	7,810	86	2,065		9,961	26,130
Graduate teaching assistantships	U.S.				40	60		55	71	226	32,773		205		32,978	33,204
	Foreign				10	10		17	16	53	6,541		50		6,591	6,644
	Subtotal				50	70		72	87	279	39,314		255		39,569	39,848
	First year				14	22		20	33	89	12,306		88		12,394	12,483
	Beyond				36	48		52	54	190	27,008		167		27,175	27,365
Other types of support	U.S.	44	1,412	9	86	39	27	86	1,332	3,035	2,701		2,227	27,955	32,883	35,918
	Foreign	4	171	0	12	3	9	26	166	391	527	1,229	316	6,154	8,226	8,617
	Subtotal	48	1,583	9	98	42	36	112	1,498	3,426	3,228	1,229	2,543	34,109	41,109	44,535
	First year	21	615	1	35	6	10	26	550	1,264	1,058	578	611	14,870	17,317	18,581
	Beyond	27	968	8	63	36	26	86	948	2,162	2,170	651	1,732	19,239	23,792	25,954
All types, total		1,546	4,202	1,686	10,108	3,730	1,224	9,514	9,318	41,336	63,158	3,446	9,360	34,109	110,273	151,609
Men	First year	210	1,242	108	978	644	280	1,552	2,604	7,624	16,135	1,297	2,485	11,484	31,401	39,025
	Beyond	1,234	2,820	1,229	6,457	1,744	889	6,862	5,627	26,862	34,653	1,843	5,531	14,991	57,018	83,880
Women	First year	16	41	44	417	376	18	252	352	1,516	4,275	135	483	3,386	8,279	9,795
	Beyond	86	93	305	2,256	974	31	848	735	5,334	8 095	171	1,061	4,248	13,575	18,909

Part-time Graduate Students Fall 1973		
First year	Beyond first	Total
15,414	28,218	43,632

Postdoctorals and/or Research Associates Fall 1973				
Source of support				
U.S. Government				
Fellowships/ traineeships	Research associates	Non-U.S. Government	Total	Recent doctorals[3]
4,573	6,630	5,011	16,214	9,547

[1] Includes institution's and State and local governments.
[2] Includes support from nonprofit institutions, industry, and all other U.S. sources.
[3] Since 1969.

Survey of Graduate Science Student Support, Fall 1973
Departmental Data Sheet

TABLE IV-18
SUMMARY OF RESPONSES FROM 737 DOCTORATE DEPARTMENTS IN ENGINEERING

Type of support	Citizenship and level	U.S. Government Source (excl. loans)									Non-Government Source					Grand total
				HEW												
		AEC	DOD	NDEA	NIH	Other	NASA	NSF	Other	Total	Institutional support[1]	Foreign sources	Other U.S. sources[2]	Self, loans, and family	Total	
Fellowships and traineeships	U.S.	120	112	188	348	174	20	407	636	2,005	1,063	13	713		1,789	3,794
	Foreign		3	1	21	6	2		86	119	360	500	176		1,036	1,155
	Subtotal	120	115	189	369	180	22	407	722	2,124	1,423	513	889		2,825	4,949
	First year	53	59	12	44	121	10	137	486	922	760	231	380		1,371	2,293
	Beyond	67	56	177	325	59	12	270	236	1,202	663	282	509		1,454	2,656
Graduate research assistantships	U.S.	222	830	7	197	52	304	1,132	855	3,599	1,497		799		2,296	5,895
	Foreign	134	562	1	99	33	214	966	704	2,713	891	23	391		1,305	4,018
	Subtotal	356	1,392	8	296	85	518	2,098	1,559	6,312	2,388	23	1,190		3,601	9,913
	First year	81	424	0	66	25	158	537	403	1,694	878	9	431		1,318	3,012
	Beyond	275	968	8	230	60	360	1,561	1,156	4,618	1,510	14	759		2,283	6,901
Graduate teaching assistantships	U.S.				4	6		9	18	37	2,872		33		2,905	2,942
	Foreign				8	0		7	7	22	1,511		33		1,544	1,566
	Subtotal				12	6		16	25	59	4,383		66		4,449	4,508
	First year				4	2		0	11	25	1,700		18		1,778	1,803
	Beyond				8	4		8	14	34	2,623		48		2,671	2,705
Other types of support	U.S.	34	1,036	0	2	6	8	10	463	1,559	414		517	4,068	4,999	6,558
	Foreign	4	161	0	0	0	7	9	38	219	193	554	92	2,462	3,301	3,520
	Subtotal	38	1,197	0	2	6	15	19	501	1,778	607	554	609	6,530	8,300	10,078
	First year	19	476	0	0	1	3	9	222	730	286	307	331	3,465	4,389	5,119
	Beyond	19	721	0	2	5	12	10	279	1,048	321	247	278	3,065	3,911	4,959
All types, total		514	2,704	197	679	277	555	2,540	2,807	10,273	8,801	1,090	2,754	6,530	19,175	29,448
Men	First year	146	942	10	105	140	166	672	1,093	3,274	3,564	535	1,120	3,330	8,549	11,823
	Beyond	353	1,725	181	536	123	360	1,804	1,643	6,745	4,998	529	1,556	2,970	10,053	16,798
Women	First year	7	17	2	9	9	5	19	29	97	120	12	40	135	307	404
	Beyond	8	20	4	29	5	4	45	42	157	113	14	38	95	266	423

Part-time Graduate Students Fall 1973		
First year	Beyond first	Total
7,792	9,157	16,949

Postdoctorals and/or Research Associates Fall 1973				
Source of support				
U.S. Government				
Fellowships/ traineeships	Research associates	Non-U.S. Government	Total	Recent doctorals[3]
104	613	245	962	6[illegible]

[1] Includes institution's and State and local governments.
[2] Includes support from nonprofit institutions, industry, and all other U.S. sources.
[3] Since 1969.

Survey of Graduate Science Student Support, Fall 1973
Departmental Data Sheet

TABLE IV-19
SUMMARY OF RESPONSES FROM 585 DOCTORATE DEPARTMENTS IN THE PHYSICAL SCIENCES

Type of support	Citizenship and level	U.S. Government Source (excl. loans)									Non-Government Source					Grand total
		AEC	DOD	HEW: NDEA	HEW: NIH	HEW: Other	NASA	NSF	Other	Total	Institutional support[1]	Foreign sources	Other U.S. sources[2]	Self, loans, and family	Total	
Fellowships and traineeships	U.S.	21	28	291	204	14	5	545	130	1,238	1,164	19	457		1,640	2,878
	Foreign		0	0	11	1	3		33	48	250	239	85		574	622
	Subtotal	21	28	291	215	15	8	545	163	1,286	1,414	258	542		2,214	3,500
	First year	1	10	13	3	3	1	123	63	217	531	91	108		730	947
	Beyond	20	18	278	212	12	7	422	100	1,069	883	167	434		1,484	2,553
Graduate research assistantships	U.S.	692	522	7	511	49	461	2,610	659	5,511	1,071		359		1,430	6,941
	Foreign	149	143	0	159	13	80	670	136	1,350	293	23	63		379	1,729
	Subtotal	841	665	7	670	62	541	3,280	795	6,861	1,364	23	422		1,809	8,670
	First year	53	61	0	24	13	90	303	108	652	196	5	67		269	921
	Beyond	788	604	7	646	49	451	2,977	687	6,209	1,168	17	355		1,540	7,749
Graduate teaching assistantships	U.S.				0	3		9	2	14	8,719		36		8,755	8,769
	Foreign				0	0		4	1	5	2,344		4		2,348	2,353
	Subtotal				0	3		13	3	19	11,063		40		11,103	11,122
	First year				0	0		4	1	5	3,970		19		3,989	3,994
	Beyond				0	3		9	2	14	7,093		21		7,114	7,128
Other types of support	U.S.	7	285	0	3	2	18	27	224	566	237		157	2,270	2,664	3,230
	Foreign	0	10	0	0	0	2	4	2	18	48	117	15	453	633	651
	Subtotal	7	295	0	3	2	20	31	226	584	285	117	172	2,723	3,297	3,881
	First year	1	101	0	0	1	6	3	63	175	86	34	46	896	1,062	1,237
	Beyond	6	194	0	3	1	14	28	163	409	199	83	126	1,827	2,235	2,644
All types, total		869	988	298	888	82	569	3,869	1,187	8,750	14,126	398	1,176	2,723	18,423	27,173
Men	First year	48	162	10	21	6	93	385	219	944	4,102	117	217	784	5,220	6,174
	Beyond	769	769	248	747	57	450	3,162	882	7,084	8,178	253	859	625	10,915	17,999
Women	First year	7	10	3	6	1	4	48	16	95	681	14	23	112	830	925
	Beyond	45	47	37	114	8	22	274	70	617	1,165	14	77	202	1,458	2,075

Part-time Graduate Students, Fall 1973		
First year	Beyond first	Total
850	3,028	3,878

Postdoctorals and/or Research Associates, Fall 1973				
Source of support				
U.S. Government		Non-U.S. Government	Total	Recent doctorals[3]
Fellowships/ traineeships	Research associates			
489	2,679	938	4,106	2,837

[1] Includes institution's and State and local governments.
[2] Includes support from nonprofit institutions, industry, and all other U.S. sources.
[3] Since 1968.

Survey of Graduate Science Student Support, Fall 1973
Departmental Data Sheet

TABLE IV-20
SUMMARY OF RESPONSES FROM 256 DOCTORATE DEPARTMENTS IN THE MATHEMATICAL SCIENCES

Type of support	Citizenship and level	U.S. Government Source (excl. loans)									Non-Government Source					Grand total
				HEW												
		AEC	DOD	NDEA	NIH	Other	NASA	NSF	Other	Total	Institutional support[1]	Foreign sources	Other U.S. sources[2]	Self, loans, and family	Total	
Fellowships and traineeships	U.S.	0	14	110	67	9	2	333	33	568	518	6	102		626	1,194
	Foreign	0	1	0	1	0	0		10	12	131	143	21		295	307
	Subtotal	0	15	110	68	9	2	333	43	580	649	149	123		921	1,501
	First year	0	6	7	6	1	0	97	14	131	282	52	34		368	499
	Beyond	0	9	103	62	8	2	236	29	449	367	97	89		553	1,002
Graduate research assistantships	U.S.	25	142	1	37	4	5	288	77	579	310		13		323	902
	Foreign	12	44	0	8	1	1	98	31	195	107	2	11		120	315
	Subtotal	37	186	1	45	5	6	386	108	774	417	2	24		443	1,217
	First year	3	37	0	13	1	4	84	18	160	100	1	7		108	268
	Beyond	34	149	1	32	4	2	302	90	614	317	1	17		335	949
Graduate teaching assistantships	U.S.				1	0		9	5	15	4,627		11		4,638	4,653
	Foreign				0	0		4	0	4	964		1		965	969
	Subtotal				1	0		13	5	19	5,591		12		5,603	5,622
	First year				0	0		2	1	3	1,607		3		1,610	1,613
	Beyond				1	0		11	4	16	3,984		9		3,993	4,009
Other types of support	U.S.	0	12	0	1	0	1	9	87	110	171		271	1,906	2,348	2,458
	Foreign	0	0	0	0	0	0	5	9	14	68	68	49	498	683	697
	Subtotal	0	12	0	1	0	1	14	96	124	239	68	320	2,404	3,031	3,155
	First year	0	6	0	0	0	1	4	49	60	68	28	111	1,061	1,268	1,328
	Beyond	0	6	0	1	0	0	10	47	64	171	40	209	1,343	1,763	1,827
All types, total		37	213	111	115	14	9	746	252	1,497	6,896	219	479	2,404	9,998	11,495
Men	First year	3	46	5	16	2	3	137	73	235	1,598	69	124	841	2,632	2,917
	Beyond	29	152	90	82	9	4	507	147	1,020	4,001	121	274	1,099	5,495	6,515
Women	First year	0	3	2	3	0	2	50	9	69	459	12	31	220	722	791
	Beyond	5	12	14	14	3	0	52	23	123	838	17	50	244	1,149	1,272

Part-time Graduate Students Fall 1973		
First year	Beyond first	Total
1,648	2,517	4,165

Postdoctorals and/or Research Associates Fall 1973				
Source of support				
U.S. Government		Non-U.S. Government	Total	Recent doctorals[3]
Fellowships/ traineeships	Research associates			
32	62	51	145	82

[1] Includes institution's and State and local governments.
[2] Includes support from nonprofit institutions, industry, and all other U.S. sources.
[3] Since 1969.

Survey of Graduate Science Student Support, Fall 1973
Departmental Data Sheet

TABLE IV-21
SUMMARY OF RESPONSES FROM 3,252 DOCTORATE DEPARTMENTS IN THE LIFE SCIENCES

Type of support	Citizenship and level	U.S. Government Source (excl. loans)									Non-Government Source					Grand total
				HEW												
		AEC	DOD	NDEA	NIH	Other	NASA	NSF	Other	Total	Institutional support[1]	Foreign sources	Other U.S. sources[2]	Self, loans, and family	Total	
Fellowships and traineeships	U.S.	32	54	306	4,908	839	17	517	507	7,180	2,036	24	593		2,653	9,833
	Foreign		0	0	134	25	4		242	405	311	601	221		1,133	1,538
	Subtotal	32	54	306	5,042	864	21	517	749	7,585	2,347	625	814		3,786	11,371
	First year	1	24	19	539	227	5	107	284	1,206	945	254	260		1,459	2,665
	Beyond	31	30	287	4,503	637	16	410	465	6,379	1,402	371	554		2,327	8,706
Graduate research assistantships	U.S.	67	34	14	1,260	116	47	535	1,319	3,392	3,127		821		3,948	7,340
	Foreign	20	12	1	369	23	4	90	262	781	667	77	167		911	1,692
	Subtotal	87	46	15	1,629	139	51	625	1,581	4,173	3,794	77	988		4,859	9,032
	First year	13	9	4	337	36	20	139	398	956	1,093	28	302		1,423	2,379
	Beyond	74	37	11	1,292	103	31	486	1,183	3,217	2,701	49	686		3,436	6,653
Graduate teaching assistantships	U.S.				34	15		19	23	91	7,426		69		7,495	7,586
	Foreign				2	8		0	5	15	778		10		788	803
	Subtotal				36	23		19	28	106	8,204		79		8,283	8,389
	First year				10	14		6	9	39	2,623		33		2,656	2,695
	Beyond				26	9		13	19	67	5,581		46		5,627	5,694
Other types of support	U.S.	3	9	4	66	9	0	13	167	271	622		374	7,086	8,082	8,353
	Foreign	0	0	0	12	2	0	5	55	74	107	319	113	946	1,485	1,559
	Subtotal	3	9	4	78	11	0	18	222	345	729	319	487	8,032	9,567	9,912
	First year	1	2	0	31	3	0	8	77	122	287	131	181	4,103	4,702	4,824
	Beyond	2	7	4	47	8	0	10	145	223	442	188	306	3,929	4,865	5,088
All types, total		122	109	325	6,785	1,037	72	1,179	2,580	12,209	15,074	1,021	2,368	8,032	26,495	38,704
Men	First year	13	33	15	649	163	20	209	652	1,754	3,539	358	594	2,885	7,376	9,130
	Beyond	80	69	228	4,261	464	42	708	1,604	7,456	7,817	546	1,296	2,927	12,586	20,042
Women	First year	2	2	8	268	117	5	51	116	569	1,409	55	182	1,218	2,864	3,433
	Beyond	27	5	74	1,607	293	5	211	208	2,430	2,309	62	296	1,002	3,669	6,099

Part-time Graduate Students, Fall 1973		
First year	Beyond first	Total
2,002	3,745	5,747

Postdoctorals and/or Research Associates, Fall 1973				
Source of support				
U.S. Government				
Fellowships/ traineeships	Research associates	Non-U.S. Government	Total	Recent doctorals[3]
3,841	3,095	3,497	10,433	5,768

[1] Includes institution's and State and local governments.
[2] Includes support from nonprofit institutions, industry, and all other U.S. sources.
[3] Since 1969.

Survey of Graduate Science Student Support, Fall 1973
Departmental Data Sheet

TABLE IV-22
SUMMARY OF RESPONSES FROM 180 DOCTORATE DEPARTMENTS IN PSYCHOLOGY

Type of support	Citizenship and level	U.S. Government Source (excl. loans)									Non-Government Source					Grand total
		AEC	DOD	HEW: NDEA	HEW: NIH	HEW: Other	NASA	NSF	Other[2]	Total	Institutional support[1]	Foreign sources	Other U.S. sources[2]	Self, loans, and family	Total	
Fellowships and traineeships	U.S.	1	17	115	823	1,183	2	227	437	2,805	821	1	222		1,044	3,849
	Foreign		0	0	3	6	0		20	29	48	25	9		82	111
	Subtotal	1	17	115	826	1,189	2	227	457	2,834	869	26	231		1,126	3,960
	First year	0	2	9	199	323	1	49	87	670	227	3	41		271	941
	Beyond	1	15	106	627	866	1	178	370	2,164	642	23	190		855	3,019
Graduate research assistantships	U.S.	0	48	1	210	292	5	120	162	838	811		100		911	1,749
	Foreign	0	2	0	20	19		9	5	55	27	1	4		32	87
	Subtotal	0	50	1	230	311	5	129	167	893	838	1	104		943	1,836
	First year	0	9	0	60	72	2	24	39	206	269	0	44		313	519
	Beyond	0	41	1	170	239	3	105	128	687	569	1	60		630	1,317
Graduate teaching assistantships	U.S.				1	30		4	1	36	2,957		12		2,969	3,005
	Foreign				0	1		0	0	1	124				124	125
	Subtotal				1	31		4	1	37	3,081		12		3,093	3,130
	First year				0	5		0	0	5	771		6		777	782
	Beyond				1	26		4	1	32	2,310		6		2,316	2,348
Other types of support	U.S.	0	22	2	8	18	0	11	152	213	557	1	587	3,131	4,275	4,488
	Foreign	0	0	0	0	1	0	0	4	5	17	16	13	295	341	346
	Subtotal	0	22	2	8	19	0	11	156	218	574	16	600	3,426	4,616	4,834
	First year	0	8	0	2	0	0	0	34	44	109	3	50	1,212	1,374	1,418
	Beyond	0	14	2	6	19	0	11	122	174	465	13	550	2,214	3,242	3,416
All types, total		1	89	118	1,065	1,550	7	371	781	3,982	5,362	43	947	3,426	9,778	13,760
Men	First year	0	14	5	152	236	1	41	104	553	813	4	75	706	1,598	2,151
	Beyond	1	61	69	521	728	4	197	435	2,016	2,631	22	553	1,393	4,599	6,615
Women	First year	0	5	4	109	164	2	32	56	372	563	2	66	506	1,137	1,509
	Beyond	0	9	40	283	422	0	101	186	1,041	1,355	15	253	821	2,444	3,485

Part-time Graduate Students, Fall 1973		
First year	Beyond first	Total
592	2,364	2,956

Postdoctorals and/or Research Associates, Fall 1973				
Source of support				
U.S. Government		Non-U.S. Government	Total	Recent doctorals[3]
Fellowships/ traineeships	Research associates			
54	76	60	190	122

[1] Includes institution's and State and local governments.
[2] Includes support from nonprofit institutions, industry, and all other U.S. sources.
[3] Since 1969

Survey of Graduate Science Student Support, Fall 1973
Departmental Data Sheet

TABLE IV-23
SUMMARY OF RESPONSES FROM 659 DOCTORATE DEPARTMENTS IN THE SOCIAL SCIENCES

Type of support	Citizenship and level	U.S. Government Source (excl. loans)									Non-Government Source					Grand total
		AEC	DOD	HEW NDEA	HEW NIH	HEW Other	NASA	NSF	Other	Total	Institutional support[1]	Foreign sources	Other U.S. sources[2]	Self, loans, and family	Total	
Fellowships and traineeships	U.S.	2	31	620	495	600	1	480	539	2,768	2,475	33	831		3,339	6,107
	Foreign		1	8	9	19	0		319	356	383	480	330		1,193	1,549
	Subtotal	2	32	628	504	619	1	480	858	3,124	2,858	513	1,161		4,532	7,656
	First year	0	21	84	40	125	0	110	333	713	1,056	176	309		1,541	2,254
	Beyond	2	11	544	464	494	1	370	525	2,411	1,802	337	852		2,991	5,402
Graduate research assistantships	U.S.	1	16	3	50	116	8	243	560	827	1,873		219		2,092	2,919
	Foreign	0	3	2	14	7	3	60	140	229	370	7	55		432	661
	Subtotal	1	19	5	64	123	11	303	530	1,056	2,243	7	274		2,524	3,580
	First year	0	6	3	15	20	3	48	139	234	767	3	86		856	1,030
	Beyond	1	13	2	49	103	8	255	391	822	1,536	4	188		1,728	2,550
Graduate teaching assistantships	U.S.					6		5	22	33	6,139		44		6,183	6,216
	Foreign					1		2	3	6	816		2		818	824
	Subtotal					7		7	25	39	6,955		46		7,001	7,040
	First year					1		0	11	12	1,557		9		1,566	1,578
	Beyond					6		7	14	27	5,398		37		5,435	5,462
Other types of support	U.S.	0	48	3	6	4	0	16	239	316	700		320	9,461	10,481	10,797
	Foreign	0	0	0	0	0	0	3	58	61	94	155	34	1,495	1,778	1,839
	Subtotal	0	48	3	6	4	0	19	297	377	794	155	354	10,956	12,259	12,636
	First year	0	22	1	2	1	0	2	105	133	222	75	91	4,120	4,508	4,641
	Beyond	0	26	2	4	3	0	17	192	244	572	80	263	6,836	7,751	7,995
All types, total		3	99	636	574	753	12	809	1,710	4,596	12,850	675	1,835	10,956	26,316	30,912
Men	First year	0	45	63	35	74	3	108	462	790	2,504	214	354	2,931	6,003	6,793
	Beyond	2	44	413	308	363	9	484	916	2,539	7,009	372	993	4,957	13,331	15,870
Women	First year	0	4	25	22	73	0	52	126	302	1,038	40	141	1,189	2,408	2,710
	Beyond	1	6	135	209	243	0	65	206	965	2,299	49	347	1,879	4,574	5,539

Part-time Graduate Students Fall 1973		
First year	Beyond first	Total
2,445	7,271	9,716

Postdoctorals and/or Research Associates Fall 1973				
Source of support				
U.S. Government				
Fellowships/ traineeships	Research associates	Non-U.S. Government	Total	Recent doctorals[3]
53	105	219	377	125

[1] Includes institution's and State and local governments.
[2] Includes support from nonprofit institutions, industry, and all other U.S. sources.
[3] Since 1969.

202

Survey of Graduate Science Student Support, Fall 1973
Departmental Data Sheet

TABLE IV-24
SUMMARY OF RESPONSES FROM 14 DOCTORATE DEPARTMENTS IN ALL OTHER SCIENCES

Type of support	Citizenship and level	U.S. Government Source (excl. loans)									Non-Government Source					Grand total
		AEC	DOD	HEW: NDEA	HEW: NIH	HEW: Other	NASA	NSF	Other	Total	Institutional support[1]	Foreign sources	Other U.S. sources[2]	Self, loans, and family	Total	
Fellowships and traineeships	U.S.	0	0	1	0	25	0	0	1	27	1	0	0		1	28
	Foreign		0	0	0	0	0		0	0	1	0	0		1	1
	Subtotal	0	0	1	0	25	0	0	1	27	2	0	0		2	29
	First year	0	0	0	0	25	0	0	1	26	1	0	0		1	27
	Beyond	0	0	1	0	0	0	0	0	1	1	0	0		1	2
Graduate research assistantships	U.S.	0	0	0	2	0	0	0	0	2	9		0		9	11
	Foreign	0	0	0	0	0	0	0	0	0	1	0	0		1	1
	Subtotal	0	0	0	2	0	0	0	0	2	10	0	0		10	12
	First year	0	0	0	0	0	0	0	0	0	1	0	0		1	1
	Beyond	0	0	0	2	0	0	0	0	2	9	0	0		9	11
Graduate teaching assistantships	U.S.				0	0		0	0	0	33		0		33	33
	Foreign				0	0		0	0	0	4		0		4	4
	Subtotal				0	0		0	0	0	37		0		37	37
	First year				0	0		0	0	0	18		0		18	18
	Beyond				0	0		0	0	0	19		0		19	19
Other types of support	U.S.	0	0	0	0	0	0	0	0	0	0		1	33	34	34
	Foreign	0	0	0	0	0	0	0	0	0	0	0	0	5	5	5
	Subtotal	0	0	0	0	0	0	0	0	0	0	0	1	38	39	39
	First year	0	0	0	0	0	0	0	0	0	0	0	1	13	14	14
	Beyond	0	0	0	0	0	0	0	0	0	0	0	0	25	25	25
All types, total		0	0	1	2	25	0	0	1	29	49	0	1	38	88	117
Men	First year	0	0	0	0	13	0	0	1	14	15	0	1	7	23	37
	Beyond	0	0	0	2	0	0	0	0	2	19	0	0	20	39	41
Women	First year	0	0	0	0	12	0	0	0	12	5	0	0	6	11	23
	Beyond	0	0	1	0	0	0	0	0	1	10	0	0	5	15	16

Part-time Graduate Students Fall 1973		
First year	Beyond first	Total
85	136	221

Postdoctorals and/or Research Associates Fall 1973				
Source of support				
U.S. Government		Non-U.S. Government	Total	Recent doctorals[3]
Fellowships/ traineeships	Research associates			
0	0	1	1	1

[1] Includes institution's and State and local governments.
[2] Includes support from nonprofit institutions, industry, and all other U.S. sources.
[3] Since 1968.

203

Survey of Graduate Science Student Support, Fall 1973
Departmental Data Sheet

TABLE IV-25
SUMMARY OF RESPONSES FROM 2,452 DOCTORATE DEPARTMENTS IN MEDICAL SCHOOLS

Type of support	Citizenship and level	U.S. Government Source (excl. loans)									Non-Government Source					Grand total
		AEC	DOD	HEW: NDEA	HEW: NIH	HEW: Other	NASA	NSF	Other	Total	Institutional support[1]	Foreign sources	Other U.S. sources[2]	Self, loans, and family	Total	
Fellowships and traineeships	U.S.	16	26	55	3,008	563	5	85	223	3,981	1,083	11	270		1,364	5,345
	Foreign		0	0	93	11	1		42	147	165	101	57		323	470
	Subtotal	16	26	55	3,101	574	6	85	265	4,128	1,248	112	327		1,687	5,815
	First year	0	12	4	377	136	2	13	94	640	549	52	107		708	1,348
	Beyond	16	14	51	2,724	436	4	72	171	3,488	699	60	220		979	4,467
Graduate research assistantships	U.S.	13	11	2	568	47	8	38	54	741	295		115		410	1,151
	Foreign	4	2	0	139	7	0	12	9	173	48	5	25		78	251
	Subtotal	17	13	2	707	54	8	50	63	914	343	5	140		488	1,402
	First year	4	3	0	168	19	1	11	11	217	120	1	36		157	374
	Beyond	13	10	2	539	35	7	39	52	697	223	4	104		331	1,028
Graduate teaching assistantships	U.S.				19	13		8	14	54	1,004		6		1,010	1,064
	Foreign				1	3		0	4	8	186		8		194	202
	Subtotal				20	16		8	18	62	1,190		14		1,204	1,266
	First year				8	10		3	8	29	365		6		371	400
	Beyond				12	6		5	10	33	825		8		833	866
Other types of support	U.S.	0	6	0	41	5	1	3	44	100	189		85	2,117	2,391	2,491
	Foreign	0	0	0	9	1	0	5	1	16	32	36	31	200	299	315
	Subtotal	0	6	0	50	6	1	8	45	116	221	36	116	2,317	2,690	2,806
	First year	0	2	0	22	2	0	5	14	45	112	10	37	1,342	1,501	1,546
	Beyond	0	4	0	28	4	1	3	31	71	109	26	79	975	1,189	1,260
All types, total		33	45	57	3,878	650	15	151	391	5,220	3,002	153	597	2,317	6,069	11,289
Men	First year	4	15	2	418	95	3	26	103	666	806	52	124	834	1,816	2,482
	Beyond	19	27	7	2,430	283	10	96	229	3,125	1,414	77	299	662	2,452	5,577
Women	First year	0	2	2	157	74	0	6	24	265	340	31	62	508	921	1,186
	Beyond	10	1	12	873	98	2	33	35	1,164	442	13	112	313	880	2,044

Part-time Graduate Students Fall 1973		
First year	Beyond first	Total
491	856	1,347

Postdoctorals and/or Research Associates Fall 1973				
Source of support				
U.S. Government				
Fellowships/ traineeships	Research associates	Non-U.S. Government	Total	Recent doctorals[3]
3,415	1,775	2,677	7,867	4,098

[1] Includes institutions and State and local governments.
[2] Includes support from nonprofit institutions, industry, and all other U.S. sources.
[3] Since 1969.

Survey of Graduate Science Student Support, Fall 1973
Departmental Data Sheet

TABLE IV-26
SUMMARY OF RESPONSES FROM 4,496 GRADUATE DEPARTMENTS IN PUBLIC SCHOOLS

Type of support	Citizenship and level	U.S. Government Source (excl. loans)									Non-Government Source					Grand total
				HEW												
		AEC	DOD	NDEA	NIH	Other	NASA	NSF	Other	Total	Institutional support[1]	Foreign sources	Other U.S. sources[2]	Self, loans, and family	Total	
Fellowships and traineeships	U.S.	132	195	1,061	4,220	1,852	37	1,248	1,845	10,590	4,091	71	1,713		5,875	16,465
	Foreign		3	7	103	44	6		536	699	554	1,252	488		2,294	2,993
	Subtotal	132	198	1,068	4,323	1,896	43	1,248	2,381	11,289	4,645	1,323	2,201		8,169	19,458
	First year	46	96	93	567	626	9	307	1,010	2,754	1,743	543	699		2,985	5,739
	Beyond	86	102	975	3,756	1,270	34	941	1,371	8,535	2,902	780	1,502		5,184	13,719
Graduate research assistantships	U.S.	749	971	25	1,634	549	542	3,266	3,187	10,923	8,457		1,992		10,449	21,372
	Foreign	197	373	3	500	72	148	1,104	1,029	3,426	2,173	136	526		2,835	6,261
	Subtotal	946	1,344	28	2,134	621	690	4,370	4,216	14,349	10,630	136	2,518		13,284	27,633
	First year	110	286	7	398	156	175	822	1,085	3,039	3,383	50	846		4,279	7,318
	Beyond	836	1,058	21	1,736	465	515	3,548	3,131	11,310	7,247	86	1,672		9,005	20,315
Graduate teaching assistantships	U.S.				35	59		52	77	223	29,475		177		29,652	29,875
	Foreign				9	10		10	20	49	5,181		38		5,219	5,268
	Subtotal				44	69		62	97	272	34,656		215		34,871	35,143
	First year				11	26		25	39	101	11,495		81		11,576	11,677
	Beyond				33	43		37	58	171	23,161		134		23,295	23,466
Other types of support	U.S.	39	1,637	6	65	40	25	47	1,228	3,087	2,359		1,640	24,025	28,024	31,111
	Foreign	4	173	0	9	2	7	20	167	382	455	881	222	4,736	6,294	6,676
	Subtotal	43	1,810	6	74	42	32	67	1,395	3,469	2,814	881	1,862	28,761	34,318	37,787
	First year	16	752	1	23	6	10	23	534	1,365	938	411	608	13,072	15,029	16,394
	Beyond	27	1,058	5	51	36	22	44	861	2,104	1,876	470	1,254	15,689	19,289	21,393
All types, total		1,121	3,352	1,102	6,575	2,628	765	5,747	8,089	29,379	52,745	2,340	6,796	28,761	90,642	120,021
Men	First year	162	1,111	75	697	505	180	997	2,338	6,065	13,773	893	1,876	10,063	26,605	32,670
	Beyond	882	2,161	805	4,177	1,163	547	4,075	4,805	18,615	28,517	1,213	3,875	12,334	45,939	64,554
Women	First year	10	23	26	302	309	14	180	330	1,194	3,786	111	358	3,009	7,264	8,458
	Beyond	67	57	196	1,399	651	24	495	616	3,505	6,669	123	687	3,355	10,834	14,339

Part-time Graduate Students Fall 1973		
First year	Beyond first	Total
12,121	19,632	31,753

Postdoctorals and/or Research Associates Fall 1973				
Source of support				
U.S. Government				
Fellowships/ traineeships	Research associates	Non-U.S. Government	Total	Recent doctorals[3]
2,171	3,886	2,967	9,024	5,421

[1] Includes institution's and State and local governments.
[2] Includes support from nonprofit institutions, industry, and all other U.S. sources.
[3] Since 1969.

Survey of Graduate Science Student Support, Fall 1973
Departmental Data Sheet

TABLE IV-27
SUMMARY OF RESPONSES FROM 2,063 GRADUATE DEPARTMENTS IN PRIVATE SCHOOLS

Type of support	Citizenship and level	U.S. Government Source (excl. loans)									Non-Government Source					Grand total
				HEW												
		AEC	DOD	NDEA	NIH	Other	NASA	NSF	Other	Total	Institutional support[1]	Foreign sources	Other U.S. sources[2]	Self, loans, and family	Total	
Fellowships and traineeships	U.S.	52	132	582	2,686	1,133	12	1,290	617	6,504	4,325	35	1,345		5,705	12,209
	Foreign		2	2	79	17	3		206	309	974	802	383		2,159	2,468
	Subtotal	52	134	584	2,765	1,150	15	1,290	823	6,813	5,299	837	1,728		7,864	14,677
	First year	12	89	59	288	236	9	333	397	1,423	2,284	311	530		3,125	4,548
	Beyond	40	45	525	2,477	914	6	957	426	5,390	3,015	526	1,198		4,739	10,129
Graduate research assistantships	U.S.	266	660	8	654	109	301	1,733	582	4,313	1,120		479		1,599	5,912
	Foreign	118	398	1	173	30	159	818	305	2,002	348	21	195		564	2,566
	Subtotal	384	1,058	9	827	139	460	2,551	887	6,315	1,468	21	674		2,163	8,478
	First year	43	279	0	124	23	110	367	183	1,129	454	6	196		656	1,785
	Beyond	341	779	9	703	116	350	2,184	704	5,186	1,014	15	478		1,507	6,693
Graduate teaching assistantships	U.S.				5	7		16	11	39	6,403		56		6,459	6,498
	Foreign				1	0		9	2	12	1,730		12		1,742	1,754
	Subtotal				6	7		25	13	51	8,133		68		8,201	8,252
	First year				3	0		4	10	17	2,722		24		2,746	2,763
	Beyond				3	7		21	3	34	5,411		44		5,455	5,489
Other types of support	U.S.	5	161	3	21	5	2	63	322	582	693		748	8,082	9,523	10,105
	Foreign	0	17	0	3	1	2	6	27	56	110	462	105	2,052	2,729	2,785
	Subtotal	5	178	3	24	6	4	69	349	638	803	462	853	10,134	12,252	12,890
	First year	5	71	0	12	1	0	25	150	264	350	240	285	4,483	5,358	5,622
	Beyond	0	107	3	12	5	4	44	199	374	453	222	568	5,651	6,894	7,268
All types, total		441	1,370	596	3,622	1,302	479	3,935	2,072	13,817	15,703	1,320	3,323	10,134	30,480	44,297
Men	First year	54	420	41	294	159	115	634	653	2,370	4,573	508	860	3,331	9,272	11,642
	Beyond	361	888	428	2,313	609	353	2,847	1,168	8,967	7,905	700	1,869	4,289	14,763	23,730
Women	First year	6	19	18	133	101	4	95	87	463	1,237	49	175	1,152	2,613	3,076
	Beyond	20	43	109	882	433	7	359	164	2,017	1,988	63	419	1,362	3,832	5,849

Part-time Graduate Students Fall 1973		
First year	Beyond first	Total
8,257	13,634	21,891

Postdoctorals and/or Research Associates Fall 1973				
Source of support				
U.S. Government				
Fellowships/ traineeships	Research associates	Non-U.S. Government	Total	Recent doctorals[3]
2,424	2,805	2,105	7,334	4,191

[1] Includes institution's and State and local governments.
[2] Includes support from nonprofit institutions, industry, and all other U.S. sources.
[3] Since 1969.

INSTRUCTIONS FOR COMPLETING THE DEPARTMENTAL DATA SHEET

GENERAL:

This form is being mailed to all institutions of higher education in the U. S. that confer doctoral-level degrees in at least one of the following fields of science:

Engineering
- Aeronautical
- Agricultural
- Chemical
- Civil
- Electrical
- Engineering science
- Industrial
- Mechanical
- Metallurgical and materials
- Mining
- Nuclear
- Petroleum
- Other engineering

Physical sciences
- Astronomy
- Atmospheric sciences
- Chemistry
- Geosciences
- Oceanography
- Physics

Mathematical sciences
- Applied mathematics
- Mathematics
- Statistics

Life sciences
- Agriculture
- Anatomy
- Biochemistry
- Biology
- Botany
- Clinical medical sciences
- Ecology
- Genetics
- Microbiology
- Pharmacology
- Physiology
- Zoology
- Other life sciences

Psychology
- Clinical psychology
- Experimental psychology
- Human development
- Physiological psychology
- Social psychology
- Other psychology

Social sciences
- Agricultural economics
- Anthropology
- Economics (except agricultural)
- Geography
- History and philosophy of science
- Linguistics
- Political science
- Sociology

Item 4–
Highest degree offered.
Check the box which refers to the highest degree offered by this science department in October 1972.

Item 5–
A *full-time* graduate student is defined here as a *bona fide* graduate student enrolled for an advanced degree (not a regular staff member, e.g., an instructor) who is engaged in training activities in his field of science; these activities may embrace any appropriate combination of study, teaching, and research. (Some institutions use the phrase "geographical full-time student" to describe such students). All other graduate students enrolled for advanced degrees are considered *part time* and should be reported under Item 7.

A *first-year* graduate student is defined for this program as one who will have completed *less than one normal year* of graduate study as of the beginning of the Fall term of 1972. All other students should be considered beyond first level.

Insert in each appropriate box the number of students who are simultaneously (a) full-time graduate students (defined above), (b) enrolled in an advanced degree program, and (c) receiving a total stipend of *$1200* or more–*not counting tuition and excluding personal, family, and loan sources*–during the 1972-1973 academic year.

All students meeting criteria (a) and (b), but not (c), should be counted under "Self, Loans, and Family." Full-time graduate students working for an advanced degree who are employees of another organization, on leave of absence, and whose major support is provided by their employer, should be listed under "Other U. S. Sources." If a graduate student receives stipend support from more than one source, choose the *major* source. For cases of two or more equivalent sources choose one *major* source category so that *using only whole numbers* the departmental data sheet will give a reasonably accurate *average* support picture for the department.

Care should be used in listing support sources accurately so that students (particularly research assistants) supported under U. S. Government grants are listed under the appropriate U. S. Government agency (e.g., students supported on an AEC research grant should appear under AEC and students supported under an NSF Institutional Grant should appear under NSF, not under "Institutional Support"). Institutional Support refers to support from "This" institution, as well as from State and local governments.

Students are to be classified according to citizenship, i.e., *U. S.* citizens (or nationals, e.g., native residents of a possession of the U. S. such as American Samoa), and *foreign* students. Applicants for U. S. citizenship are to be considered as "foreign" until the date their citizenship becomes effective.

Each row total given under *ALL SOURCES* is to be split into two components, *First Year* and *Beyond First.* Thus *every* full-time graduate student enrolled for an advanced degree is counted only once by a major source of support and once again in a separate breakout by level (First Year or Beyond First) of study.

Item 6–
Insert in the appropriate boxes the number of full-time students who were enrolled in this department in Fall 1971. If the exact data are not at hand, please give a reasonable estimate.

Item 7–
The numbers of graduate students who are working for advanced degrees, but who are not pursuing graduate work full time, are enumerated under the entries for *part time.* Do not include "special" students who are *not* enrolled for advanced degrees or students who have left your institution but are completing their theses while engaged in other activities.

Item 8–
Under *Postdoctorals* and/or *Research Associates,* include individuals with doctorates (including foreign degrees that are equivalent to U. S. doctorates) who devote *full time* to research activities or study in the department under temporary appointments carrying no academic rank such as instructor or above. Such appointments are usually for a *specific time period.* They may contribute to the academic program through seminars, lectures, or working with graduate students. Their postdoctoral activities have an element of additional training for them. Under (1), give the total number of Postdoctorals and/or Research Associates as defined above, as of Fall 1971. Of this number, enter under (2) the number who received their doctorates in *1967* or later. Under (3) enter the total appointments in this department as of Fall 1972, and under (4), the number of these receiving their doctorates in 1968 or later.

NSF Form 727, October 1972

NATIONAL SCIENCE FOUNDATION
SURVEY OF GRADUATE SCIENCE STUDENT SUPPORT, FALL 1972
DEPARTMENTAL DATA SHEET

(NOTE: Before filling out please read the instructions on the reverse)

OMB No. 99-R0276
Approval expires
December 31, 1973

1. Name and address of institution: _____
2. Science Department (or unit) covered by this data sheet: _____
3. Person in Department (or unit) preparing this form: Name _____
4. Highest degree program offered by Department (or unit) in Fall 1972 (CHECK ONLY ONE) Master's ___(1) Doctorate (including MD) ___(2)

Department Code (See NRC Listing) _____

5. Full-time graduate science students enrolled for advanced degrees (M.S. and Ph.D.) receiving support of $1,200 or more in Fall 1972.

TYPE OF SUPPORT	CITIZENSHIP	U.S. GOVERNMENT SOURCE (EXCLUDING LOANS)										NON-U.S. GOVERNMENT SOURCE					ALL SOURCES		
		AEC (a)	VET. ADM. (G.I. BILL) (b)	DOD (c)	HEW NDEA (d)	HEW PHS (NIH) (NIMH) (e)	HEW Other HEW (f)	NASA (g)	NSF (h)	Other U.S. Government (i)	Total U.S. Government (a-i) (j)	Institutional Support a/ (k)	Self, Loans, and Family (l)	Other U.S. Sources b/ (m)	Foreign Sources (n)	Total Non-U.S. Government (k-n) (o)	Total (j)+(o) (p)	First Year (q)	Beyond First (r)
Fellowships and Traineeships	U. S. (1)																		
	Foreign (2)																		
Graduate Research Assistantships	U. S. (3)																		
	Foreign (4)																		
Graduate Teaching Assistantships	U. S. (5)																		
	Foreign (6)																		
Other Types of Support	U. S. (7)																		
	Foreign (8)																		
All Types, Total (9)																			
Of line (9) how many are:	Men (10)																		
	Women (11)																		

6. Full-time graduate science students enrolled for advanced degrees in this department as of Fall 1971; complete columns (j), (o), (p), (q), and (r).

7. Part-time graduate science students enrolled for advanced degrees (do not include "special" students):

FALL 1971			FALL 1972		
First Year (a)	Beyond First (b)	Total (c)	First Year (D)	Beyond First (e)	Total (f)

8. Postdoctorals and/or Research Associates:

FALL 1971		FALL 1972	
Total (a)	Recent Doctorals (since 1967) (b)	Total (c)	Recent Doctorals (since 1968) (d)

a/ Include institutions and State and local governments.

b/ Include support from nonprofit institutions, industry, and all other U.S. sources.

203

Other Science Resources Publications

REPORTS	NSF No.	Price
Research and Development in Industry, 1973	75-315	In press
The 1972 Scientist and Engineer Population Redefined. Vol. 1. Demographic, Educational, and Professional Characteristics	75-313	$3.70
Characteristics of Doctoral Scientists and Engineers in the United States, 1973	75-312	In press
Detailed Statistical Tables. Characteristics of Doctoral Scientists and Engineers in the United States, 1973	75-312-A	——
Reviews of Data on Science Resources, No. 23, "R&D Expenditures at State Public Institutions, Fiscal Year 1973"	75-311	$0.35
Reviews of Data on Science Resources, No. 24, "Work Activities of Employed Doctoral Scientists and Engineers in the U.S. Labor Force, July 1973"	75-310	$.65
R&D Activities of Independent Nonprofit Institutions, 1973	75-308	$1.90
National Patterns of R&D Resources: Funds & Manpower in the United States, 1973-1975	75-307	$1.15
Research and Development in State Government Agencies, Fiscal Years 1972 and 1973	75-303	$1.80
Young and Senior Science and Engineering Faculty, 1974: Support, Research Participation, and Tenure	75-302	$1.70
Projections of Science and Engineering Doctorate Supply and Utilization, 1980 and 1985	75-301	$1.30
Federal Funds for Research, Development, and Other Scientific Activities, Fiscal Years 1973, 1974, and 1975, Vol. XXIII	74-320	$1.70
Detailed Statistical Tables, Federal Funds for Research, Development, and Other Scientific Activities, Fiscal Years 1973, 1974, and 1975, Vol. XXIII	74-320-A	——
An Analysis of Federal R&D Funding by Function, Fiscal Years 1969-1975	74-313	$2.25
Immigrant Scientists and Engineers in the United States. A Study of Characteristics and Attitudes	73-302	$2.50
Scientific Human Resources: Profiles and Issues	72-304	$0.25
Papers and Proceedings of a Colloquium on Research and Development and Economic Growth/Productivity	72-303	$3.75
HIGHLIGHTS		
"National Sample of Scientists and Engineers: Participation in National Programs and Changes in Educational Attainment, 1972-74"	75-317	——
"Racial Minorities in the Scientist and Engineer Population"	75-314	——
"National Sample of Scientists and Engineers: Changes in Employment, 1970-72 and 1972-74"	75-309	——
"Immigration of Scientists and Engineers Drops Sharply in FY 1973; Physician Inflow Still Near FY 1972 Peak"	74-302	——
"NSF Forecasts Rise in Company-Funded Research and Development and R&D Employment"	73-301	——

209